

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000057.D
 Acq On : 17 Sep 2019 13:38
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY091719

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:39 AM

Quant Time: Sep 17 16:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	126010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	238429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	66287	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	7.71	113	64981	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	
50) Toluene-d8	10.18	98	271065	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.48	95	92550	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	43507	50.063	ug/l	92
3) Chloromethane	2.11	50	54939	47.851	ug/l	94
4) Vinyl Chloride	2.25	62	65453	46.551	ug/l	95
5) Bromomethane	2.64	94	42861	49.244	ug/l	91
6) Chloroethane	2.78	64	44875	47.614	ug/l	95
7) Trichlorofluoromethane	3.12	101	91866	47.254	ug/l	91
8) Diethyl Ether	3.53	74	37147	44.626	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	62946	47.195	ug/l	99
10) Methyl Iodide	4.08	142	65888	47.504	ug/l	100
11) Tert butyl alcohol	4.96	59	40336	234.689	ug/l	98
12) 1,1-Dichloroethene	3.87	96	56293	45.785	ug/l	87
13) Acrolein	3.73	56	16925	192.548	ug/l	93
14) Allyl chloride	4.48	41	87848	46.748	ug/l	100
15) Acrylonitrile	5.17	53	117139	234.678	ug/l	99
16) Acetone	3.95	43	84998	251.808	ug/l	88
17) Carbon Disulfide	4.18	76	100118	46.015	ug/l #	95
18) Methyl Acetate	4.48	43	48996	43.447	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	178158	46.368	ug/l	100
20) Methylene Chloride	4.71	84	69372	43.688	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	61914	45.301	ug/l	98
22) Diisopropyl ether	6.12	45	200936	47.327	ug/l	98
23) Vinyl Acetate	6.06	43	690672	243.061	ug/l	97
24) 1,1-Dichloroethane	6.01	63	118536	47.170	ug/l	96
25) 2-Butanone	6.99	43	146089	238.945	ug/l	99
26) 2,2-Dichloropropane	6.98	77	108176	45.615	ug/l	97
27) cis-1,2-Dichloroethene	6.98	96	81838	47.292	ug/l	98
28) Bromochloromethane	7.34	49	53954	46.320	ug/l	96
29) Tetrahydrofuran	7.35	42	89312	243.335	ug/l	97
30) Chloroform	7.50	83	124028	47.826	ug/l	98
31) Cyclohexane	7.79	56	89640	50.297	ug/l	92
32) 1,1,1-Trichloroethane	7.70	97	100686	47.801	ug/l	98
36) 1,1-Dichloropropene	7.92	75	82613	46.338	ug/l	98
37) Ethyl Acetate	7.07	43	60678	51.061	ug/l	98
38) Carbon Tetrachloride	7.90	117	84187	50.033	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000057.D
 Acq On : 17 Sep 2019 13:38
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY091719

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:39 AM

Quant Time: Sep 17 16:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	105343	48.054	ug/l	94
40) Benzene	8.16	78	280271	47.598	ug/l	99
41) Methacrylonitrile	7.32	41	37208m	43.870	ug/l	
42) 1,2-Dichloroethane	8.24	62	73309	47.002	ug/l	99
43) Isopropyl Acetate	8.28	43	112848	48.556	ug/l	99
44) Trichloroethene	8.94	130	70448	46.831	ug/l	93
45) 1,2-Dichloropropane	9.22	63	71252	46.712	ug/l	98
46) Dibromomethane	9.31	93	39511	47.423	ug/l	98
47) Bromodichloromethane	9.49	83	99838	49.382	ug/l	93
48) Methyl methacrylate	9.29	41	48037	46.998	ug/l	95
49) 1,4-Dioxane	9.30	88	16026	990.709	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	314975	248.222	ug/l	99
52) Toluene	10.24	92	180843	48.340	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	104642	48.815	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	117082	47.297	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	65295	49.988	ug/l	97
56) Ethyl methacrylate	10.51	69	90497	48.688	ug/l	98
57) 1,3-Dichloropropane	10.79	76	104321	47.544	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	231570	230.472	ug/l	100
59) 2-Hexanone	10.84	43	231959	256.233	ug/l	98
60) Dibromochloromethane	10.98	129	66535	48.621	ug/l	99
61) 1,2-Dibromoethane	11.09	107	57794	48.441	ug/l	100
64) Tetrachloroethene	10.71	164	61822	48.025	ug/l	97
65) Chlorobenzene	11.51	112	195613	48.217	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	67440	49.165	ug/l	99
67) Ethyl Benzene	11.59	91	350862	48.460	ug/l	96
68) m/p-Xylenes	11.70	106	270474	98.178	ug/l	98
69) o-Xylene	12.03	106	130413	48.889	ug/l	100
70) Styrene	12.04	104	232151	49.574	ug/l	99
71) Bromoform	12.21	173	41576	52.355	ug/l #	100
73) Isopropylbenzene	12.33	105	351622	47.449	ug/l	100
74) N-amyl acetate	12.14	43	105348	49.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	82613	47.358	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	51655m	39.926	ug/l	
77) Bromobenzene	12.60	156	73700	47.628	ug/l	98
78) n-propylbenzene	12.67	91	432439	47.839	ug/l	100
79) 2-Chlorotoluene	12.76	91	240144	47.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	297715	48.498	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	31125	46.268	ug/l	95
82) 4-Chlorotoluene	12.85	91	249894	47.821	ug/l	98
83) tert-Butylbenzene	13.07	119	249729	47.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	293520	48.500	ug/l	99
85) sec-Butylbenzene	13.25	105	369115	47.570	ug/l	99
86) p-Isopropyltoluene	13.37	119	316889	48.180	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	151859	49.473	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	153389	49.730	ug/l	98
89) n-Butylbenzene	13.69	91	325208	48.064	ug/l	99
90) Hexachloroethane	13.96	117	63651	49.247	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	138740	48.108	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	15012	48.334	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
Data File : VY000057.D
Acq On : 17 Sep 2019 13:38
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.00ml/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY091719

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:39 AM

Quant Time: Sep 17 16:31:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 13:28:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	89473	51.415	ug/l	96
94) Hexachlorobutadiene	15.11	225	40124	48.023	ug/l	97
95) Naphthalene	15.23	128	244468	49.487	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	82729	49.814	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

