

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000008.D
 Acq On : 11 Sep 2019 18:50
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY091119

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:35 PM

Quant Time: Sep 19 11:38:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	156209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	296094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	249418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	112704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	85007	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.72	113	82288	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.18	98	354966	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.48	95	123237	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	54348	51.569	ug/l	98
3) Chloromethane	2.11	50	76544	49.498	ug/l	99
4) Vinyl Chloride	2.25	62	88139	48.681	ug/l	95
5) Bromomethane	2.63	94	56647	53.624	ug/l	99
6) Chloroethane	2.78	64	58307	48.843	ug/l	94
7) Trichlorofluoromethane	3.12	101	108581	48.694	ug/l	96
8) Diethyl Ether	3.53	74	45167	51.645	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	74953	50.213	ug/l	99
10) Methyl Iodide	4.09	142	86409	49.744	ug/l	98
11) Tert butyl alcohol	4.96	59	51454	270.168	ug/l	98
12) 1,1-Dichloroethene	3.87	96	69604	48.176	ug/l #	87
13) Acrolein	3.73	56	35672	265.916	ug/l	98
14) Allyl chloride	4.48	41	111734	50.836	ug/l	99
15) Acrylonitrile	5.17	53	150290	261.925	ug/l	100
16) Acetone	3.95	43	110399	249.868	ug/l	98
17) Carbon Disulfide	4.19	76	143477	52.346	ug/l	99
18) Methyl Acetate	4.48	43	63548	54.014	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	217190	53.365	ug/l	99
20) Methylene Chloride	4.71	84	87680	54.198	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	77129	49.543	ug/l	89
22) Diisopropyl ether	6.12	45	247897	51.879	ug/l	97
23) Vinyl Acetate	6.06	43	852593	263.198	ug/l	100
24) 1,1-Dichloroethane	6.02	63	148220	51.786	ug/l	97
25) 2-Butanone	6.99	43	185139	265.378	ug/l	100
26) 2,2-Dichloropropane	6.98	77	119953	49.013	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	98995	50.685	ug/l	98
28) Bromochloromethane	7.33	49	63806	48.383	ug/l	99
29) Tetrahydrofuran	7.35	42	115668	265.395	ug/l	99
30) Chloroform	7.51	83	147441	50.893	ug/l	93
31) Cyclohexane	7.78	56	114633	52.686	ug/l	95
32) 1,1,1-Trichloroethane	7.70	97	120562	50.417	ug/l	99
36) 1,1-Dichloropropene	7.92	75	105599	49.338	ug/l	99
37) Ethyl Acetate	7.07	43	75724	51.732	ug/l	98
38) Carbon Tetrachloride	7.90	117	101415	49.357	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	130349	49.400	ug/l	98
40) Benzene	8.16	78	343804	49.952	ug/l	99
41) Methacrylonitrile	7.32	41	45240m	51.562	ug/l	
42) 1,2-Dichloroethane	8.24	62	89392	49.816	ug/l	98
43) Isopropyl Acetate	8.28	43	143723	53.415	ug/l	97
44) Trichloroethene	8.94	130	87118	49.198	ug/l	93
45) 1,2-Dichloropropane	9.21	63	88730	50.224	ug/l	96
46) Dibromomethane	9.31	93	48241	50.462	ug/l	99
47) Bromodichloromethane	9.49	83	116865	51.038	ug/l #	96
48) Methyl methacrylate	9.29	41	61971	52.138	ug/l	98
49) 1,4-Dioxane	9.29	88	19312	1027.720	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	394308	266.217	ug/l	99
52) Toluene	10.24	92	219290	50.609	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	127050	52.819	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	141338	50.333	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	75750	51.124	ug/l	96
56) Ethyl methacrylate	10.51	69	109515	51.340	ug/l	99
57) 1,3-Dichloropropane	10.79	76	126155	51.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	277989	252.608	ug/l	98
59) 2-Hexanone	10.83	43	283260	268.596	ug/l	99
60) Dibromochloromethane	10.98	129	81184	51.412	ug/l	99
61) 1,2-Dibromoethane	11.09	107	68918	50.563	ug/l	94
64) Tetrachloroethene	10.71	164	76487	50.163	ug/l	95
65) Chlorobenzene	11.51	112	239917	52.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	81443	52.211	ug/l	96
67) Ethyl Benzene	11.59	91	427367	50.733	ug/l	100
68) m/p-Xylenes	11.70	106	329093	102.853	ug/l	100
69) o-Xylene	12.02	106	159275	51.759	ug/l	100
70) Styrene	12.04	104	281629	52.563	ug/l	99
71) Bromoform	12.21	173	51482	54.477	ug/l #	99
73) Isopropylbenzene	12.32	105	425371	49.916	ug/l	99
74) N-amyl acetate	12.14	43	126051	53.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	99105	50.481	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	70800m	53.234	ug/l	
77) Bromobenzene	12.60	156	92544	50.952	ug/l	99
78) n-propylbenzene	12.66	91	513418	49.783	ug/l	99
79) 2-Chlorotoluene	12.75	91	286856	50.134	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	352113	49.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	39194	51.011	ug/l	98
82) 4-Chlorotoluene	12.85	91	298538	49.957	ug/l	99
83) tert-Butylbenzene	13.07	119	309213	51.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	349617	50.732	ug/l	100
85) sec-Butylbenzene	13.25	105	441167	49.377	ug/l	99
86) p-Isopropyltoluene	13.37	119	379247	50.466	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	183774	52.447	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	180943	51.211	ug/l	99
89) n-Butylbenzene	13.69	91	386395	51.455	ug/l	99
90) Hexachloroethane	13.95	117	76243	50.147	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	164844	49.956	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	18004	49.249	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	104680	52.022	ug/l	97
94) Hexachlorobutadiene	15.10	225	48701	49.983	ug/l	99
95) Naphthalene	15.23	128	285994	51.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	95211	52.762	ug/l	96

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

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