

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002756.D
 Acq On : 27 May 2020 11:27
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:34 PM

Quant Time: May 27 12:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	434329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	25800	11.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.20%	
35) Dibromofluoromethane	7.72	113	24990	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	10.18	98	100969	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	
62) 4-Bromofluorobenzene	12.48	95	34496	10.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	20991	10.069	ug/l	97
3) Chloromethane	2.12	50	23305	9.838	ug/l	99
4) Vinyl Chloride	2.26	62	24271	9.807	ug/l	97
5) Bromomethane	2.65	94	19345	10.539	ug/l	97
6) Chloroethane	2.80	64	16083	10.152	ug/l	98
7) Trichlorofluoromethane	3.13	101	43550	10.338	ug/l	97
8) Diethyl Ether	3.54	74	17067	11.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	25229	9.863	ug/l	95
10) Methyl Iodide	4.10	142	33153	9.478	ug/l	98
11) Tert butyl alcohol	4.96	59	18076	75.374	ug/l	95
12) 1,1-Dichloroethene	3.88	96	25648	10.026	ug/l	93
13) Acrolein	3.74	56	16592	60.355	ug/l	98
14) Allyl chloride	4.48	41	35314	9.590	ug/l	97
15) Acrylonitrile	5.18	53	37691	57.121	ug/l	99
16) Acetone	3.96	43	29817	60.498	ug/l	99
17) Carbon Disulfide	4.20	76	76617	9.627	ug/l	98
18) Methyl Acetate	4.49	43	15790	11.562	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	70346	10.941	ug/l	93
20) Methylene Chloride	4.72	84	31357	10.977	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	28706	10.089	ug/l	92
22) Diisopropyl ether	6.13	45	76458	10.433	ug/l	97
23) Vinyl Acetate	6.07	43	251001	53.085	ug/l	98
24) 1,1-Dichloroethane	6.04	63	44152	10.102	ug/l	99
25) 2-Butanone	6.99	43	47966	59.640	ug/l	99
26) 2,2-Dichloropropane	6.99	77	43787	10.710	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	31567	10.227	ug/l	97
28) Bromochloromethane	7.34	49	19021	10.883	ug/l	99
29) Tetrahydrofuran	7.36	42	30721	56.730	ug/l	96
30) Chloroform	7.52	83	47300	10.401	ug/l	96
31) Cyclohexane	7.79	56	45273	10.260	ug/l #	86
32) 1,1,1-Trichloroethane	7.71	97	43057	10.230	ug/l	99
36) 1,1-Dichloropropene	7.93	75	37051	10.124	ug/l	99
37) Ethyl Acetate	7.08	43	21599	11.874	ug/l	98
38) Carbon Tetrachloride	7.91	117	42106	10.688	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002756.D
 Acq On : 27 May 2020 11:27
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:34 PM

Quant Time: May 27 12:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	48541	9.921	ug/l	99
40) Benzene	8.17	78	109762	10.279	ug/l	99
41) Methacrylonitrile	7.33	41	9820m	9.250	ug/l	
42) 1,2-Dichloroethane	8.24	62	31386	11.064	ug/l	100
43) Isopropyl Acetate	8.28	43	38358	11.292	ug/l	99
44) Trichloroethene	8.94	130	35160	10.346	ug/l	90
45) 1,2-Dichloropropane	9.22	63	26161	10.274	ug/l	94
46) Dibromomethane	9.31	93	16339	11.375	ug/l	96
47) Bromodichloromethane	9.50	83	36570	10.471	ug/l	99
48) Methyl methacrylate	9.30	41	16828	10.801	ug/l	99
49) 1,4-Dioxane	9.30	88	4739	236.419	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	103566	58.840	ug/l	99
52) Toluene	10.24	92	71910	10.374	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	39505	10.549	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	45030	10.421	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	25136	11.658	ug/l	98
56) Ethyl methacrylate	10.51	69	32043	11.201	ug/l	98
57) 1,3-Dichloropropane	10.79	76	40136	11.188	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	80833	57.541	ug/l	100
59) 2-Hexanone	10.83	43	72531	58.825	ug/l	99
60) Dibromochloromethane	10.99	129	30347	11.073	ug/l	99
61) 1,2-Dibromoethane	11.09	107	23714	11.184	ug/l	99
64) Tetrachloroethene	10.72	164	37670	9.829	ug/l	99
65) Chlorobenzene	11.52	112	82501	10.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	30340	10.321	ug/l	98
67) Ethyl Benzene	11.59	91	140886	10.194	ug/l	98
68) m/p-Xylenes	11.70	106	108921	20.253	ug/l	100
69) o-Xylene	12.03	106	51518	10.190	ug/l	99
70) Styrene	12.04	104	88941	10.232	ug/l	99
71) Bromoform	12.20	173	20396	11.125	ug/l #	97
73) Isopropylbenzene	12.33	105	141605	9.788	ug/l	99
74) N-amyl acetate	12.14	43	36519	10.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	25199	11.473	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	20482m	11.107	ug/l	
77) Bromobenzene	12.61	156	36992	10.168	ug/l	99
78) n-propylbenzene	12.67	91	165568	9.839	ug/l	100
79) 2-Chlorotoluene	12.75	91	92912	9.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	118757	9.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	10765	10.945	ug/l	98
82) 4-Chlorotoluene	12.85	91	98017	9.983	ug/l	99
83) tert-Butylbenzene	13.07	119	106588	9.880	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	119033	9.781	ug/l	99
85) sec-Butylbenzene	13.25	105	145732	9.814	ug/l	99
86) p-Isopropyltoluene	13.37	119	134306	9.675	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	71777	10.230	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	70308	10.066	ug/l	98
89) n-Butylbenzene	13.69	91	123789	9.709	ug/l	99
90) Hexachloroethane	13.96	117	25359	9.837	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	64841	10.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4858	11.517	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
Data File : VY002756.D
Acq On : 27 May 2020 11:27
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:34 PM

Quant Time: May 27 12:50:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 12:34:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	47741	9.774	ug/l	99
94) Hexachlorobutadiene	15.11	225	28022	9.545	ug/l	99
95) Naphthalene	15.23	128	95427	10.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	43726	10.254	ug/l	99

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

