

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011611.D
 Acq On : 29 Nov 2022 10:23
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/30/2022
 Supervised By :Mahesh Dadoda 11/30/2022

Quant Time: Nov 29 13:15:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	193850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	269162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	101426	51.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.060%			
35) Dibromofluoromethane	7.722	113	100915	54.298	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.600%			
50) Toluene-d8	10.179	98	353424	52.330	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.483	95	134994	54.061	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	50975	48.720	ug/l	99
3) Chloromethane	2.119	50	80373	48.646	ug/l	99
4) Vinyl Chloride	2.253	62	89998	41.047	ug/l	98
5) Bromomethane	2.656	94	63101	44.655	ug/l	98
6) Chloroethane	2.802	64	62146	40.624	ug/l	97
7) Trichlorofluoromethane	3.131	101	150513	46.800	ug/l	89
8) Diethyl Ether	3.534	74	50689	48.766	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	90928	48.893	ug/l	95
10) Methyl Iodide	4.095	142	111390	51.409	ug/l	94
11) Tert butyl alcohol	4.948	59	50590	235.538	ug/l	100
12) 1,1-Dichloroethene	3.881	96	84029	49.326	ug/l	89
13) Acrolein	3.735	56	10854	209.131	ug/l	98
14) Allyl chloride	4.491	41	151940	50.807	ug/l	93
15) Acrylonitrile	5.168	53	138113	243.270	ug/l	99
16) Acetone	3.948	43	162799	254.630	ug/l	93
17) Carbon Disulfide	4.198	76	223740	47.389	ug/l	99
18) Methyl Acetate	4.479	43	69420	46.809	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	251869	51.806	ug/l	98
20) Methylene Chloride	4.722	84	119641	49.981	ug/l	91
21) trans-1,2-Dichloroethene	5.229	96	98678	50.127	ug/l	95
22) Diisopropyl ether	6.119	45	344485	52.772	ug/l	96
23) Vinyl Acetate	6.064	43	1002675	263.689	ug/l	95
24) 1,1-Dichloroethane	6.021	63	192425	50.206	ug/l	99
25) 2-Butanone	6.990	43	201742	240.097	ug/l	92
26) 2,2-Dichloropropane	6.984	77	174228	49.253	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	118115	50.965	ug/l	93
28) Bromochloromethane	7.332	49	80787	52.468	ug/l #	93
29) Tetrahydrofuran	7.344	42	114674	241.663	ug/l	94
30) Chloroform	7.509	83	201086	50.591	ug/l	99
31) Cyclohexane	7.789	56	154375	47.317	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	176417	49.616	ug/l	98
36) 1,1-Dichloropropene	7.917	75	144848	49.859	ug/l	99
37) Ethyl Acetate	7.076	43	78343	47.358	ug/l	96
38) Carbon Tetrachloride	7.905	117	160682	49.437	ug/l	97
39) Methylcyclohexane	9.185	83	162943	50.260	ug/l	96
40) Benzene	8.161	78	421941	49.860	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	45926m	54.908	ug/l	
42) 1,2-Dichloroethane	8.240	62	127101	48.564	ug/l	94
43) Isopropyl Acetate	8.271	43	140468	47.069	ug/l	92
44) Trichloroethene	8.941	130	110921	48.716	ug/l	94
45) 1,2-Dichloropropane	9.216	63	108956	50.371	ug/l	97
46) Dibromomethane	9.307	93	58150	48.079	ug/l	96
47) Bromodichloromethane	9.496	83	152985	50.217	ug/l	97
48) Methyl methacrylate	9.295	41	64950	48.998	ug/l #	88
49) 1,4-Dioxane	9.295	88	14399	961.338	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	400773	241.580	ug/l	93
52) Toluene	10.246	92	269774	50.412	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	150812	49.523	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	174252	50.864	ug/l #	90
55) 1,1,2-Trichloroethane	10.648	97	85668	49.510	ug/l	99
56) Ethyl methacrylate	10.514	69	112556	52.302	ug/l #	84
57) 1,3-Dichloropropane	10.795	76	144222	49.215	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	271622	257.717	ug/l	98
59) 2-Hexanone	10.831	43	293979	248.284	ug/l	92
60) Dibromochloromethane	10.984	129	105087	49.557	ug/l	99
61) 1,2-Dibromoethane	11.087	107	77303	48.944	ug/l	99
64) Tetrachloroethene	10.721	164	109905	49.550	ug/l	97
65) Chlorobenzene	11.520	112	289406	51.347	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	110980	51.951	ug/l	98
67) Ethyl Benzene	11.593	91	529338	52.014	ug/l	99
68) m/p-Xylenes	11.703	106	406131	104.835	ug/l	97
69) o-Xylene	12.032	106	193095	53.536	ug/l	95
70) Styrene	12.044	104	328629	53.378	ug/l	97
71) Bromoform	12.209	173	64758	49.828	ug/l #	99
73) Isopropylbenzene	12.331	105	524513	53.258	ug/l	99
74) N-amyl acetate	12.148	43	122387	50.323	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	94727	48.812	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	65597m	44.730	ug/l	
77) Bromobenzene	12.611	156	117520	51.103	ug/l	98
78) n-propylbenzene	12.672	91	635151	52.863	ug/l	100
79) 2-Chlorotoluene	12.758	91	355269	52.461	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	441580	53.191	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	33733	50.383	ug/l	89
82) 4-Chlorotoluene	12.855	91	364617	51.492	ug/l	99
83) tert-Butylbenzene	13.075	119	391648	54.162	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	438101	53.431	ug/l	100
85) sec-Butylbenzene	13.258	105	568385	52.681	ug/l	99
86) p-Isopropyltoluene	13.373	119	477343	53.012	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	237688	50.774	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	233342	49.849	ug/l	98
89) n-Butylbenzene	13.696	91	445334	53.801	ug/l	100
90) Hexachloroethane	13.965	117	92715	50.989	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	210566	50.743	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15388	48.350	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	124629	54.148	ug/l	99
94) Hexachlorobutadiene	15.111	225	76792	53.674	ug/l	99
95) Naphthalene	15.239	128	235658	48.933	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	105408	53.439	ug/l	97

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

