

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040522\
 Data File : VY008221.D
 Acq On : 05 Apr 2022 19:44
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC0050EC

Quant Time: Apr 06 04:00:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 04/06/2022

Supervised By :Mahesh
 Dadoda
 04/06/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	136282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	232745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	213988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108999	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.142	65	65612	47.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.980%
35) Dibromofluoromethane	7.716	113	70464	48.288	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.580%
50) Toluene-d8	10.179	98	262668	47.777	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.483	95	91943	47.403	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	48598	39.558	ug/l	99
3) Chloromethane	2.113	50	70778	47.311	ug/l	95
4) Vinyl Chloride	2.247	62	93792	47.120	ug/l	97
5) Bromomethane	2.649	94	82596	50.633	ug/l	96
6) Chloroethane	2.790	64	65710	50.186	ug/l	98
7) Trichlorofluoromethane	3.125	101	105092	41.738	ug/l	94
8) Diethyl Ether	3.527	74	37297	45.741	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.899	101	68061	43.576	ug/l	92
10) Methyl Iodide	4.088	142	62489	34.788	ug/l	89
11) Tert butyl alcohol	4.948	59	27772	195.765	ug/l	96
12) 1,1-Dichloroethene	3.869	96	61913	42.818	ug/l #	77
13) Acrolein	3.729	56	19574	169.518	ug/l	98
14) Allyl chloride	4.478	41	84596	44.467	ug/l #	90
15) Acrylonitrile	5.161	53	91593	235.823	ug/l	98
16) Acetone	3.942	43	61250	195.982	ug/l #	86
17) Carbon Disulfide	4.192	76	168618	41.155	ug/l	99
18) Methyl Acetate	4.472	43	37599	45.084	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	187262	45.571	ug/l	91
20) Methylene Chloride	4.710	84	80856	50.939	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	76345	45.599	ug/l #	81
22) Diisopropyl ether	6.112	45	202471	49.468	ug/l #	94
23) Vinyl Acetate	6.057	43	642924	253.508	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	129338	47.732	ug/l	96
25) 2-Butanone	6.984	43	106136	223.162	ug/l #	78
26) 2,2-Dichloropropane	6.984	77	111898	43.606	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	91435	47.116	ug/l	81
28) Bromochloromethane	7.332	49	34984	48.712	ug/l #	68
29) Tetrahydrofuran	7.344	42	70731	228.753	ug/l #	72
30) Chloroform	7.502	83	142486	48.563	ug/l	99
31) Cyclohexane	7.783	56	105820	41.404	ug/l #	81
32) 1,1,1-Trichloroethane	7.703	97	124183	45.808	ug/l	95
36) 1,1-Dichloropropene	7.917	75	104024	45.382	ug/l	96
37) Ethyl Acetate	7.075	43	50328	47.000	ug/l #	92
38) Carbon Tetrachloride	7.899	117	109340	43.771	ug/l	100
39) Methylcyclohexane	9.179	83	131615	42.539	ug/l #	84
40) Benzene	8.161	78	311985	47.582	ug/l	95

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41) Methacrylonitrile	7.319	41	27264m	50.707	ug/l	
42) 1,2-Dichloroethane	8.234	62	85215	46.330	ug/l	88
43) Isopropyl Acetate	8.270	43	94002	44.719	ug/l #	85
44) Trichloroethene	8.941	130	86661	45.706	ug/l	96
45) 1,2-Dichloropropane	9.215	63	75350	48.762	ug/l	96
46) Dibromomethane	9.307	93	48380	47.615	ug/l	96
47) Bromodichloromethane	9.496	83	110255	47.454	ug/l	100
48) Methyl methacrylate	9.289	41	40401	43.393	ug/l #	73
49) 1,4-Dioxane	9.295	88	12424	919.805	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	247415	233.365	ug/l #	83
52) Toluene	10.246	92	207189	48.183	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	110128	46.241	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	128261	47.574	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	69340	49.423	ug/l	97
56) Ethyl methacrylate	10.508	69	85014	46.453	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	111960	48.758	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	162246	213.969	ug/l	90
59) 2-Hexanone	10.831	43	169216	228.091	ug/l	79
60) Dibromochloromethane	10.983	129	81226	47.603	ug/l	100
61) 1,2-Dibromoethane	11.087	107	66306	47.452	ug/l	99
64) Tetrachloroethene	10.721	164	73937	44.987	ug/l	98
65) Chlorobenzene	11.514	112	227756	47.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	85402	47.985	ug/l	97
67) Ethyl Benzene	11.593	91	393545	46.537	ug/l	97
68) m/p-Xylenes	11.703	106	316921	94.246	ug/l	90
69) o-Xylene	12.032	106	152837	47.470	ug/l	89
70) Styrene	12.044	104	258134	48.976	ug/l	93
71) Bromoform	12.209	173	50353	46.859	ug/l #	100
73) Isopropylbenzene	12.331	105	401893	44.670	ug/l	98
74) N-amyl acetate	12.142	43	83096	42.016	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	80267	45.900	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	58979m	44.388	ug/l	
77) Bromobenzene	12.611	156	94590	45.828	ug/l	90
78) n-propylbenzene	12.672	91	470982	44.381	ug/l	97
79) 2-Chlorotoluene	12.757	91	263622	44.781	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	329786	44.744	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	24435	41.031	ug/l #	83
82) 4-Chlorotoluene	12.855	91	273219	45.232	ug/l	95
83) tert-Butylbenzene	13.074	119	297944	45.373	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	325961	45.414	ug/l	96
85) sec-Butylbenzene	13.251	105	433576	44.734	ug/l	98
86) p-Isopropyltoluene	13.373	119	366720	45.463	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	192465	47.033	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	191250	46.864	ug/l	98
89) n-Butylbenzene	13.696	91	322884	43.506	ug/l	97
90) Hexachloroethane	13.958	117	66654	42.647	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	169491	47.044	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11439	40.984	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	95074	44.060	ug/l	99
94) Hexachlorobutadiene	15.111	225	48593	42.568	ug/l	99
95) Naphthalene	15.239	128	208456	43.704	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	82971	44.439	ug/l	99

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

