

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008625.D
 Acq On : 04 May 2022 20:16
 Operator : KP/MD
 Sample : N2619-12MSD
 Misc : 5.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB05-13-15-FTMSD

Quant Time: May 05 04:39:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/05/2022
 Supervised By : Mahesh Dadoda 05/05/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	102783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	154740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	56671	56.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.460%			
35) Dibromofluoromethane	7.716	113	63192	56.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.060%			
50) Toluene-d8	10.179	98	219446	54.924	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.840%			
62) 4-Bromofluorobenzene	12.483	95	71405	48.760	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42180	40.947	ug/l	100
3) Chloromethane	2.113	50	56073	46.829	ug/l	98
4) Vinyl Chloride	2.253	62	60091	41.741	ug/l	99
5) Bromomethane	2.650	94	52111	49.055	ug/l	97
6) Chloroethane	2.796	64	40722	44.139	ug/l	95
7) Trichlorofluoromethane	3.125	101	85831	44.081	ug/l	94
8) Diethyl Ether	3.528	74	33711	54.060	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.900	101	53025	46.325	ug/l	94
10) Methyl Iodide	4.095	142	65667	46.277	ug/l #	87
11) Tert butyl alcohol	4.954	59	26890	263.252	ug/l	97
12) 1,1-Dichloroethene	3.875	96	50259	46.597	ug/l #	73
13) Acrolein	3.729	56	29651	219.668	ug/l	95
14) Allyl chloride	4.479	41	62777	48.616	ug/l #	88
15) Acrylonitrile	5.155	53	78287	275.361	ug/l	99
16) Acetone	3.942	43	62329	289.576	ug/l #	84
17) Carbon Disulfide	4.192	76	140697	45.877	ug/l	100
18) Methyl Acetate	4.479	43	35930	58.884	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	161391	54.264	ug/l	93
20) Methylene Chloride	4.716	84	71230	56.456	ug/l #	74
21) trans-1,2-Dichloroethene	5.222	96	58884	48.058	ug/l #	79
22) Diisopropyl ether	6.119	45	174701	58.605	ug/l #	89
23) Vinyl Acetate	6.058	43	524030	269.186	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	101335	53.928	ug/l	96
25) 2-Butanone	6.984	43	96199	278.436	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	84323	46.853	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	71972	51.326	ug/l	79
28) Bromochloromethane	7.332	49	39289	54.682	ug/l #	63
29) Tetrahydrofuran	7.344	42	63963	279.130	ug/l #	77
30) Chloroform	7.503	83	111008	52.724	ug/l	98
31) Cyclohexane	7.783	56	80761	46.838	ug/l #	83
32) 1,1,1-Trichloroethane	7.698	97	94603	48.985	ug/l	94
36) 1,1-Dichloropropene	7.917	75	75982	43.328	ug/l	94
37) Ethyl Acetate	7.070	43	43811	48.715	ug/l #	91
38) Carbon Tetrachloride	7.899	117	85116	42.543	ug/l	99
39) Methylcyclohexane	9.179	83	95874	41.444	ug/l #	85
40) Benzene	8.161	78	246521	48.668	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19244m	48.775	ug/l	
42) 1,2-Dichloroethane	8.234	62	68414	46.663	ug/l	86
43) Isopropyl Acetate	8.271	43	89975	54.986	ug/l #	90
44) Trichloroethene	8.935	130	67619	42.557	ug/l	98
45) 1,2-Dichloropropane	9.216	63	63299	53.566	ug/l	94
46) Dibromomethane	9.307	93	39093	47.390	ug/l	95
47) Bromodichloromethane	9.496	83	88046	48.984	ug/l	97
48) Methyl methacrylate	9.295	41	34621	48.135	ug/l #	75
49) 1,4-Dioxane	9.295	88	11102	1061.416	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	216383	251.941	ug/l #	83
52) Toluene	10.246	92	157851	46.623	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	85315	44.898	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	98985	46.888	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	57681	50.178	ug/l	97
56) Ethyl methacrylate	10.508	69	72349	49.823	ug/l #	71
57) 1,3-Dichloropropane	10.789	76	91386	49.801	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	172992	234.715	ug/l	91
59) 2-Hexanone	10.831	43	146520	250.507	ug/l	81
60) Dibromochloromethane	10.984	129	68963	47.961	ug/l	99
61) 1,2-Dibromoethane	11.087	107	54702	47.019	ug/l	100
64) Tetrachloroethene	10.721	164	63887	45.259	ug/l	98
65) Chlorobenzene	11.514	112	170658	45.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	70699	50.242	ug/l	97
67) Ethyl Benzene	11.593	91	292891	46.708	ug/l	95
68) m/p-Xylenes	11.703	106	233222	91.045	ug/l	89
69) o-Xylene	12.032	106	118079	48.097	ug/l	87
70) Styrene	12.044	104	188074	46.084	ug/l	93
71) Bromoform	12.209	173	44440	47.506	ug/l #	99
73) Isopropylbenzene	12.331	105	293532	52.651	ug/l	99
74) N-amyl acetate	12.142	43	68602	55.062	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	65612	58.157	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	37875m	49.649	ug/l	
77) Bromobenzene	12.611	156	73514	49.977	ug/l	87
78) n-propylbenzene	12.672	91	328444	50.626	ug/l	96
79) 2-Chlorotoluene	12.758	91	188590	51.630	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	239046	51.897	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	20490	54.455	ug/l #	79
82) 4-Chlorotoluene	12.855	91	185010	49.169	ug/l	93
83) tert-Butylbenzene	13.075	119	217528	52.726	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	235796	51.503	ug/l	95
85) sec-Butylbenzene	13.258	105	305550	50.254	ug/l	98
86) p-Isopropyltoluene	13.373	119	257360	49.857	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	131242	46.133	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	129303	46.079	ug/l	98
89) n-Butylbenzene	13.697	91	208179	45.785	ug/l	98
90) Hexachloroethane	13.965	117	51281	53.640	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	123537	48.660	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8777	51.119	ug/l	58
93) 1,2,4-Trichlorobenzene	15.007	180	63373	39.121	ug/l	100
94) Hexachlorobutadiene	15.117	225	37253	40.720	ug/l	97
95) Naphthalene	15.239	128	149210	45.932	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	59655	41.490	ug/l	99

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

