

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008581.D
 Acq On : 03 May 2022 11:01
 Operator : KP/MD
 Sample : VY0503SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0503SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 03 16:55:34 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	139649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74641	54.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.980%			
35) Dibromofluoromethane	7.722	113	74286	52.442	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.880%			
50) Toluene-d8	10.179	98	270426	53.886	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.780%			
62) 4-Bromofluorobenzene	12.483	95	97687	53.108	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34826	24.883	ug/l	100
3) Chloromethane	2.113	50	37551	23.082	ug/l	93
4) Vinyl Chloride	2.253	62	43571	22.276	ug/l	96
5) Bromomethane	2.643	94	35623	23.080	ug/l	94
6) Chloroethane	2.790	64	26410	21.069	ug/l	98
7) Trichlorofluoromethane	3.125	101	59211	22.382	ug/l	95
8) Diethyl Ether	3.527	74	19786	23.353	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.899	101	35193	22.629	ug/l	94
10) Methyl Iodide	4.088	142	33595	17.425	ug/l #	88
11) Tert butyl alcohol	4.954	59	22955	156.976	ug/l	99
12) 1,1-Dichloroethene	3.869	96	33613	22.937	ug/l #	74
13) Acrolein	3.729	56	20581	112.222	ug/l	98
14) Allyl chloride	4.479	41	40934	23.332	ug/l #	88
15) Acrylonitrile	5.161	53	46321	119.915	ug/l	97
16) Acetone	3.948	43	34215	116.996	ug/l #	81
17) Carbon Disulfide	4.192	76	97118	23.308	ug/l	99
18) Methyl Acetate	4.479	43	20693	23.895	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	91671	22.685	ug/l	91
20) Methylene Chloride	4.716	84	44712	22.385	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	38337	23.029	ug/l #	80
22) Diisopropyl ether	6.118	45	93771	23.152	ug/l #	89
23) Vinyl Acetate	6.058	43	312753	118.245	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	58515	22.919	ug/l	97
25) 2-Butanone	6.984	43	56812	121.026	ug/l #	81
26) 2,2-Dichloropropane	6.984	77	54307	22.209	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	42982	22.560	ug/l	81
28) Bromochloromethane	7.338	49	20806	21.313	ug/l #	63
29) Tetrahydrofuran	7.350	42	37756	121.268	ug/l #	77
30) Chloroform	7.508	83	63933	22.349	ug/l	100
31) Cyclohexane	7.783	56	55366	23.633	ug/l #	80
32) 1,1,1-Trichloroethane	7.704	97	57272	21.826	ug/l #	92
36) 1,1-Dichloropropene	7.917	75	49879	22.644	ug/l	94
37) Ethyl Acetate	7.076	43	26830	23.752	ug/l #	90
38) Carbon Tetrachloride	7.899	117	53727	21.380	ug/l	97
39) Methylcyclohexane	9.185	83	64917	22.342	ug/l #	81
40) Benzene	8.161	78	143750	22.594	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12582m	25.389	ug/l	
42) 1,2-Dichloroethane	8.240	62	40153	21.804	ug/l	88
43) Isopropyl Acetate	8.271	43	47147	22.939	ug/l #	87
44) Trichloroethene	8.941	130	42688	21.389	ug/l	97
45) 1,2-Dichloropropane	9.215	63	34248	23.074	ug/l #	89
46) Dibromomethane	9.307	93	22681	21.889	ug/l	94
47) Bromodichloromethane	9.496	83	49557	21.950	ug/l	98
48) Methyl methacrylate	9.289	41	20300	22.470	ug/l #	74
49) 1,4-Dioxane	9.301	88	6432	489.576	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	126313	117.088	ug/l #	84
52) Toluene	10.246	92	95286	22.406	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	52717	22.087	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	58767	22.162	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	32480	22.495	ug/l	95
56) Ethyl methacrylate	10.508	69	40805	22.372	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	51573	22.375	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	98485	106.383	ug/l #	88
59) 2-Hexanone	10.831	43	86152	117.267	ug/l	80
60) Dibromochloromethane	10.983	129	38963	21.573	ug/l	100
61) 1,2-Dibromoethane	11.087	107	32431	22.193	ug/l	99
64) Tetrachloroethene	10.721	164	39836	21.467	ug/l	98
65) Chlorobenzene	11.514	112	106028	21.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	39396	21.296	ug/l	98
67) Ethyl Benzene	11.593	91	178385	21.639	ug/l	95
68) m/p-Xylenes	11.703	106	145867	43.316	ug/l	88
69) o-Xylene	12.032	106	68919	21.354	ug/l	88
70) Styrene	12.044	104	115045	21.443	ug/l	93
71) Bromoform	12.209	173	25586	20.806	ug/l #	99
73) Isopropylbenzene	12.331	105	180017	21.244	ug/l	98
74) N-amyl acetate	12.142	43	41903	22.128	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	37720	21.997	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	28940m	24.959	ug/l	
77) Bromobenzene	12.611	156	46183	20.656	ug/l	86
78) n-propylbenzene	12.672	91	211933	21.493	ug/l	95
79) 2-Chlorotoluene	12.758	91	117607	21.183	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	148690	21.238	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	12432	21.738	ug/l #	81
82) 4-Chlorotoluene	12.855	91	124719	21.808	ug/l	94
83) tert-Butylbenzene	13.075	119	132525	21.134	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	147249	21.161	ug/l	95
85) sec-Butylbenzene	13.251	105	196720	21.287	ug/l	98
86) p-Isopropyltoluene	13.373	119	166677	21.244	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	89625	20.727	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	89331	20.945	ug/l	99
89) n-Butylbenzene	13.696	91	148702	21.517	ug/l	98
90) Hexachloroethane	13.959	117	30764	21.171	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	82296	21.327	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5666	21.712	ug/l	66
93) 1,2,4-Trichlorobenzene	15.007	180	50425	20.480	ug/l	99
94) Hexachlorobutadiene	15.111	225	28231	20.303	ug/l	97
95) Naphthalene	15.239	128	100306	20.315	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	43864	20.072	ug/l	98

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

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