

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008800.D
 Acq On : 18 May 2022 02:52
 Operator : KP/MD
 Sample : VY0517SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0517SBS01

Quant Time: May 18 08:01:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	134971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	230010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79770	63.707	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.420%			
35) Dibromofluoromethane	7.716	113	76584	56.986	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.980%			
50) Toluene-d8	10.179	98	312345	52.143	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.483	95	102449	48.194	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21375	22.001	ug/l	99
3) Chloromethane	2.113	50	31532	19.756	ug/l	92
4) Vinyl Chloride	2.253	62	44929	19.739	ug/l	99
5) Bromomethane	2.644	94	43549	26.340	ug/l	94
6) Chloroethane	2.790	64	34946	21.220	ug/l	97
7) Trichlorofluoromethane	3.125	101	43801	21.025	ug/l	98
8) Diethyl Ether	3.528	74	13812	23.096	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.906	101	26874	21.580	ug/l	94
10) Methyl Iodide	4.088	142	32131	22.978	ug/l	93
11) Tert butyl alcohol	4.954	59	12046	87.046	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	24286	21.206	ug/l	86
13) Acrolein	3.729	56	7827	114.331	ug/l	92
14) Allyl chloride	4.479	41	35084	20.826	ug/l #	86
15) Acrylonitrile	5.161	53	35434	87.377	ug/l	98
16) Acetone	3.948	43	27629	80.746	ug/l	99
17) Carbon Disulfide	4.192	76	71809	22.047	ug/l	98
18) Methyl Acetate	4.479	43	19984	19.630	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	69757	22.615	ug/l	97
20) Methylene Chloride	4.716	84	34942	23.626	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	30012	21.372	ug/l	83
22) Diisopropyl ether	6.119	45	85836	24.060	ug/l #	96
23) Vinyl Acetate	6.058	43	262577	104.386	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	53449	22.578	ug/l #	97
25) 2-Butanone	6.984	43	44949	85.540	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	41631	18.503	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	34194	21.954	ug/l	88
28) Bromochloromethane	7.338	49	19655	21.900	ug/l	89
29) Tetrahydrofuran	7.344	42	29568	84.469	ug/l #	86
30) Chloroform	7.502	83	57583	22.688	ug/l	99
31) Cyclohexane	7.783	56	44589	20.736	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	51175	21.747	ug/l	98
36) 1,1-Dichloropropene	7.917	75	41799	19.420	ug/l	98
37) Ethyl Acetate	7.076	43	22064	17.202	ug/l	96
38) Carbon Tetrachloride	7.899	117	44474	19.280	ug/l	97
39) Methylcyclohexane	9.179	83	50372	19.734	ug/l	92
40) Benzene	8.161	78	127454	21.162	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	12392m	18.371	ug/l	
42) 1,2-Dichloroethane	8.240	62	37094	20.982	ug/l	92
43) Isopropyl Acetate	8.271	43	40966	19.185	ug/l #	91
44) Trichloroethene	8.941	130	31904	19.474	ug/l	94
45) 1,2-Dichloropropane	9.216	63	31843	22.247	ug/l	92
46) Dibromomethane	9.307	93	18913	20.109	ug/l	93
47) Bromodichloromethane	9.496	83	44784	21.478	ug/l	98
48) Methyl methacrylate	9.289	41	17764	18.947	ug/l #	84
49) 1,4-Dioxane	9.295	88	4450	314.993	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	110212	87.432	ug/l	93
52) Toluene	10.246	92	85647	20.928	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	45373	20.950	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	49673	21.269	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	26221	20.501	ug/l	95
56) Ethyl methacrylate	10.508	69	31653	20.398	ug/l	88
57) 1,3-Dichloropropane	10.788	76	44270	21.051	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	73266	92.591	ug/l	95
59) 2-Hexanone	10.831	43	73935	82.089	ug/l	89
60) Dibromochloromethane	10.984	129	31929	20.795	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25236	19.786	ug/l	100
64) Tetrachloroethene	10.721	164	28655	19.665	ug/l	98
65) Chlorobenzene	11.514	112	90296	19.599	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	33215	19.734	ug/l	96
67) Ethyl Benzene	11.593	91	160003	19.447	ug/l	97
68) m/p-Xylenes	11.703	106	129167	39.407	ug/l	92
69) o-Xylene	12.032	106	60425	19.951	ug/l	91
70) Styrene	12.044	104	102333	19.960	ug/l	95
71) Bromoform	12.209	173	20311	17.776	ug/l #	97
73) Isopropylbenzene	12.331	105	158390	18.916	ug/l	99
74) N-amyl acetate	12.142	43	38495	19.261	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	33185	17.827	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	25109m	17.804	ug/l	
77) Bromobenzene	12.611	156	37571	19.365	ug/l	94
78) n-propylbenzene	12.672	91	199945	19.438	ug/l	100
79) 2-Chlorotoluene	12.758	91	108029	19.390	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	135353	20.021	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9940	15.417	ug/l	90
82) 4-Chlorotoluene	12.855	91	117936	20.037	ug/l	98
83) tert-Butylbenzene	13.075	119	120474	19.815	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	137769	20.585	ug/l	98
85) sec-Butylbenzene	13.258	105	188162	19.836	ug/l	100
86) p-Isopropyltoluene	13.373	119	153426	19.836	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	79759	19.565	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	81127	20.119	ug/l	99
89) n-Butylbenzene	13.697	91	142876	19.461	ug/l	99
90) Hexachloroethane	13.959	117	30177	20.636	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	72572	20.357	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4758	14.949	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	37564	19.296	ug/l	98
94) Hexachlorobutadiene	15.117	225	21748	19.414	ug/l	97
95) Naphthalene	15.239	128	78305	17.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34112	19.947	ug/l	98

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

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