

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008801.D
 Acq On : 18 May 2022 03:15
 Operator : KP/MD
 Sample : VY0517SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0517SBS01

Quant Time: May 18 08:01:58 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	144126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	245187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	240261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86181	64.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.920%			
35) Dibromofluoromethane	7.716	113	80300	56.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.100%			
50) Toluene-d8	10.179	98	328007	51.415	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.483	95	109062	48.134	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23291	22.594	ug/l	94
3) Chloromethane	2.113	50	32472	18.604	ug/l	94
4) Vinyl Chloride	2.253	62	46534	18.862	ug/l	100
5) Bromomethane	2.637	94	45553	25.744	ug/l	93
6) Chloroethane	2.790	64	35142	19.540	ug/l	98
7) Trichlorofluoromethane	3.119	101	44424	19.659	ug/l	94
8) Diethyl Ether	3.528	74	15355	24.045	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	27243	20.233	ug/l	93
10) Methyl Iodide	4.088	142	34156	22.875	ug/l	93
11) Tert butyl alcohol	4.954	59	14918	100.952	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	25232	20.632	ug/l	85
13) Acrolein	3.729	56	8352	114.250	ug/l	98
14) Allyl chloride	4.472	41	38052	21.153	ug/l #	92
15) Acrylonitrile	5.161	53	40382	93.253	ug/l	99
16) Acetone	3.948	43	31520	88.321	ug/l	91
17) Carbon Disulfide	4.192	76	73755	21.028	ug/l	98
18) Methyl Acetate	4.472	43	25041	23.930	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	75428	22.901	ug/l	97
20) Methylene Chloride	4.716	84	36458	22.913	ug/l #	85
21) trans-1,2-Dichloroethene	5.216	96	30792	20.535	ug/l	91
22) Diisopropyl ether	6.119	45	89778	23.566	ug/l #	90
23) Vinyl Acetate	6.058	43	274609	102.234	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	55903	22.115	ug/l	99
25) 2-Butanone	6.984	43	52697	93.915	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	44908	18.692	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	35368	21.266	ug/l	88
28) Bromochloromethane	7.332	49	21357	22.285	ug/l	89
29) Tetrahydrofuran	7.350	42	35292	94.417	ug/l #	86
30) Chloroform	7.509	83	58758	21.680	ug/l	95
31) Cyclohexane	7.789	56	47476	20.666	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	51222	20.384	ug/l	98
36) 1,1-Dichloropropene	7.917	75	42576	18.556	ug/l	99
37) Ethyl Acetate	7.076	43	24390	17.838	ug/l	98
38) Carbon Tetrachloride	7.899	117	45344	18.440	ug/l	97
39) Methylcyclohexane	9.185	83	52028	19.121	ug/l	89
40) Benzene	8.161	78	129212	20.126	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	13835m	19.241	ug/l	
42) 1,2-Dichloroethane	8.234	62	39026	20.708	ug/l	93
43) Isopropyl Acetate	8.271	43	45105	19.816	ug/l #	92
44) Trichloroethene	8.935	130	33870	19.394	ug/l	97
45) 1,2-Dichloropropane	9.216	63	32315	21.179	ug/l	97
46) Dibromomethane	9.307	93	20812	20.758	ug/l	94
47) Bromodichloromethane	9.496	83	46353	20.855	ug/l	93
48) Methyl methacrylate	9.295	41	19487	19.498	ug/l #	83
49) 1,4-Dioxane	9.307	88	5139	341.247	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	124997	93.023	ug/l	92
52) Toluene	10.246	92	87116	19.969	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	46828	20.284	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	50926	20.456	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	29073	21.324	ug/l	94
56) Ethyl methacrylate	10.508	69	34966	21.138	ug/l	86
57) 1,3-Dichloropropane	10.788	76	47364	21.128	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	83557	99.060	ug/l	94
59) 2-Hexanone	10.831	43	86117	89.696	ug/l	90
60) Dibromochloromethane	10.983	129	32676	19.964	ug/l	95
61) 1,2-Dibromoethane	11.087	107	27403	20.155	ug/l	99
64) Tetrachloroethene	10.721	164	28573	18.578	ug/l	95
65) Chlorobenzene	11.514	112	93951	19.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	35327	19.886	ug/l	97
67) Ethyl Benzene	11.593	91	166678	19.194	ug/l	99
68) m/p-Xylenes	11.703	106	132499	38.300	ug/l	93
69) o-Xylene	12.032	106	62907	19.680	ug/l	91
70) Styrene	12.044	104	106499	19.682	ug/l	94
71) Bromoform	12.209	173	21900	18.160	ug/l #	99
73) Isopropylbenzene	12.331	105	164533	18.804	ug/l	100
74) N-amyl acetate	12.142	43	40358	19.323	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	37566	19.312	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	32087m	21.772	ug/l	
77) Bromobenzene	12.611	156	39978	19.718	ug/l	93
78) n-propylbenzene	12.672	91	204960	19.067	ug/l	100
79) 2-Chlorotoluene	12.758	91	113889	19.561	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	139897	19.802	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	11385	16.897	ug/l	89
82) 4-Chlorotoluene	12.855	91	118064	19.195	ug/l	95
83) tert-Butylbenzene	13.075	119	126037	19.837	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	141742	20.266	ug/l	98
85) sec-Butylbenzene	13.251	105	191794	19.348	ug/l	100
86) p-Isopropyltoluene	13.373	119	159158	19.691	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	81882	19.221	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	82616	19.606	ug/l	100
89) n-Butylbenzene	13.696	91	146219	19.059	ug/l	99
90) Hexachloroethane	13.965	117	30406	19.897	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	75199	20.185	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6164	18.532	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	40077	19.700	ug/l	99
94) Hexachlorobutadiene	15.111	225	22868	19.535	ug/l	97
95) Naphthalene	15.239	128	86650	19.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36815	20.600	ug/l	100

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ALS Vial : 34 Sample Multiplier: 1

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

