

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008632.D
 Acq On : 05 May 2022 00:05
 Operator : KP/MD
 Sample : VY0504SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS03

Manual Integrations
 APPROVED

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

Quant Time: May 05 04:41:48 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	141331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	222446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70845	51.575	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.140%			
35) Dibromofluoromethane	7.716	113	73205	49.734	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.460%			
50) Toluene-d8	10.179	98	263976	50.621	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.483	95	93456	48.896	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30370	21.441	ug/l	100
3) Chloromethane	2.113	50	35046	21.286	ug/l	93
4) Vinyl Chloride	2.247	62	38972	19.688	ug/l	99
5) Bromomethane	2.637	94	29940	18.621	ug/l	96
6) Chloroethane	2.790	64	23699	18.681	ug/l	98
7) Trichlorofluoromethane	3.119	101	53467	19.970	ug/l	92
8) Diethyl Ether	3.527	74	18879	22.018	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.893	101	32445	20.614	ug/l	94
10) Methyl Iodide	4.088	142	37790	19.368	ug/l #	87
11) Tert butyl alcohol	4.948	59	19577	128.717	ug/l	97
12) 1,1-Dichloroethene	3.869	96	31483	21.228	ug/l #	75
13) Acrolein	3.729	56	19904	107.239	ug/l	97
14) Allyl chloride	4.472	41	39457	22.222	ug/l #	86
15) Acrylonitrile	5.149	53	45801	117.158	ug/l	97
16) Acetone	3.942	43	32316	109.188	ug/l #	88
17) Carbon Disulfide	4.192	76	90176	21.384	ug/l	99
18) Methyl Acetate	4.479	43	21468	24.541	ug/l #	83
19) Methyl tert-butyl Ether	5.216	73	87222	21.327	ug/l	100
20) Methylene Chloride	4.710	84	55043	28.717	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	35617	21.140	ug/l #	80
22) Diisopropyl ether	6.112	45	93469	22.803	ug/l #	91
23) Vinyl Acetate	6.058	43	305968	114.303	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	57252	22.158	ug/l	96
25) 2-Butanone	6.984	43	54996	115.763	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	47095	19.030	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	41070	21.300	ug/l	79
28) Bromochloromethane	7.332	49	21071	21.328	ug/l #	63
29) Tetrahydrofuran	7.344	42	36734	116.582	ug/l #	78
30) Chloroform	7.508	83	61490	21.240	ug/l	100
31) Cyclohexane	7.783	56	51198	21.594	ug/l #	82
32) 1,1,1-Trichloroethane	7.697	97	53499	20.146	ug/l	93
36) 1,1-Dichloropropene	7.917	75	46044	20.117	ug/l	95
37) Ethyl Acetate	7.070	43	25679	21.877	ug/l #	90
38) Carbon Tetrachloride	7.899	117	48678	18.642	ug/l	98
39) Methylcyclohexane	9.179	83	58127	19.252	ug/l #	87
40) Benzene	8.161	78	140093	21.190	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10927m	21.219	ug/l	
42) 1,2-Dichloroethane	8.234	62	38575	20.159	ug/l	86
43) Isopropyl Acetate	8.271	43	45247	21.186	ug/l #	85
44) Trichloroethene	8.935	130	40695	19.623	ug/l	97
45) 1,2-Dichloropropane	9.215	63	33867	21.958	ug/l	97
46) Dibromomethane	9.301	93	21782	20.231	ug/l	92
47) Bromodichloromethane	9.496	83	47280	20.153	ug/l	98
48) Methyl methacrylate	9.295	41	19583	20.861	ug/l #	76
49) 1,4-Dioxane	9.295	88	5890	431.448	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	123539	110.207	ug/l #	85
52) Toluene	10.240	92	91338	20.670	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	49523	19.968	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	55778	20.243	ug/l #	78
55) 1,1,2-Trichloroethane	10.642	97	31697	21.127	ug/l	96
56) Ethyl methacrylate	10.508	69	39808	21.004	ug/l #	71
57) 1,3-Dichloropropane	10.788	76	51297	21.418	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	98029	101.906	ug/l #	89
59) 2-Hexanone	10.831	43	83068	108.814	ug/l	81
60) Dibromochloromethane	10.983	129	37355	19.904	ug/l	99
61) 1,2-Dibromoethane	11.087	107	31529	20.764	ug/l	99
64) Tetrachloroethene	10.721	164	37002	19.228	ug/l	97
65) Chlorobenzene	11.514	112	102252	20.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	37675	19.639	ug/l	97
67) Ethyl Benzene	11.593	91	169092	19.780	ug/l	95
68) m/p-Xylenes	11.703	106	137604	39.403	ug/l	90
69) o-Xylene	12.032	106	66654	19.915	ug/l	88
70) Styrene	12.044	104	110652	19.888	ug/l	94
71) Bromoform	12.209	173	24580	19.274	ug/l #	98
73) Isopropylbenzene	12.331	105	169937	19.912	ug/l	99
74) N-amyl acetate	12.142	43	39678	20.805	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	37505	21.717	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	26879m	23.017	ug/l	
77) Bromobenzene	12.605	156	43808	19.455	ug/l	88
78) n-propylbenzene	12.672	91	197612	19.898	ug/l	96
79) 2-Chlorotoluene	12.758	91	113362	20.274	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	141507	20.069	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	11693	20.301	ug/l #	78
82) 4-Chlorotoluene	12.855	91	117233	20.353	ug/l	94
83) tert-Butylbenzene	13.075	119	124078	19.647	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	140817	20.093	ug/l	96
85) sec-Butylbenzene	13.251	105	181894	19.543	ug/l	97
86) p-Isopropyltoluene	13.367	119	153442	19.419	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	84807	19.474	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	85177	19.829	ug/l	98
89) n-Butylbenzene	13.696	91	136037	19.545	ug/l	97
90) Hexachloroethane	13.959	117	28839	19.706	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	76844	19.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5432	20.667	ug/l	63
93) 1,2,4-Trichlorobenzene	15.007	180	46623	18.801	ug/l	100
94) Hexachlorobutadiene	15.111	225	24796	17.706	ug/l	97
95) Naphthalene	15.239	128	95967	19.299	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	41138	18.691	ug/l	100

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

