

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008604.D
 Acq On : 04 May 2022 12:05
 Operator : KP/MD
 Sample : VY0504SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

05/05/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: May 05 04:33:51 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	142950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	221868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	208928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109719	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73041	52.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.140%	
35) Dibromofluoromethane	7.716	113	73128	49.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.620%	
50) Toluene-d8	10.179	98	263291	50.621	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.483	95	95652	50.175	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32344	22.576	ug/l	97
3) Chloromethane	2.113	50	35980	21.605	ug/l	96
4) Vinyl Chloride	2.247	62	41394	20.674	ug/l	97
5) Bromomethane	2.637	94	32294	20.072	ug/l	97
6) Chloroethane	2.790	64	25431	19.819	ug/l	96
7) Trichlorofluoromethane	3.119	101	55790	20.602	ug/l	89
8) Diethyl Ether	3.528	74	19272	22.221	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.893	101	33255	20.889	ug/l	93
10) Methyl Iodide	4.088	142	36751	18.622	ug/l #	87
11) Tert butyl alcohol	4.942	59	21148	139.013	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	31324	20.881	ug/l #	74
13) Acrolein	3.729	56	18175	96.814	ug/l	95
14) Allyl chloride	4.479	41	38600	21.493	ug/l #	88
15) Acrylonitrile	5.161	53	45435	114.906	ug/l	97
16) Acetone	3.942	43	33511	111.943	ug/l #	86
17) Carbon Disulfide	4.186	76	89975	21.095	ug/l	99
18) Methyl Acetate	4.479	43	20795	23.424	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	89168	21.556	ug/l	94
20) Methylene Chloride	4.710	84	41859	19.886	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	35693	20.945	ug/l #	80
22) Diisopropyl ether	6.112	45	90940	21.935	ug/l #	92
23) Vinyl Acetate	6.058	43	305243	112.740	ug/l #	88
24) 1,1-Dichloroethane	6.009	63	55855	21.372	ug/l	96
25) 2-Butanone	6.984	43	56400	117.374	ug/l #	82
26) 2,2-Dichloropropane	6.978	77	51457	20.558	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	41112	21.080	ug/l	80
28) Bromochloromethane	7.332	49	19683	19.697	ug/l #	59
29) Tetrahydrofuran	7.344	42	37419	117.411	ug/l #	75
30) Chloroform	7.502	83	61348	20.950	ug/l	99
31) Cyclohexane	7.783	56	51436	21.449	ug/l #	82
32) 1,1,1-Trichloroethane	7.698	97	54341	20.231	ug/l	93
36) 1,1-Dichloropropene	7.917	75	46698	20.456	ug/l	96
37) Ethyl Acetate	7.070	43	25469	21.755	ug/l #	90
38) Carbon Tetrachloride	7.899	117	50868	19.531	ug/l	98
39) Methylcyclohexane	9.185	83	61023	20.264	ug/l #	84
40) Benzene	8.155	78	137681	20.880	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11190m	21.786	ug/l	
42) 1,2-Dichloroethane	8.234	62	39645	20.772	ug/l	89
43) Isopropyl Acetate	8.271	43	46260	21.717	ug/l #	85
44) Trichloroethene	8.935	130	41016	19.829	ug/l	94
45) 1,2-Dichloropropane	9.216	63	32705	21.260	ug/l	89
46) Dibromomethane	9.307	93	22207	20.679	ug/l	96
47) Bromodichloromethane	9.496	83	47471	20.288	ug/l	97
48) Methyl methacrylate	9.289	41	20259	21.637	ug/l #	77
49) 1,4-Dioxane	9.295	88	6045	443.956	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	125360	112.123	ug/l #	85
52) Toluene	10.240	92	91064	20.661	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	51031	20.630	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	56068	20.402	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	30857	20.620	ug/l	96
56) Ethyl methacrylate	10.508	69	39284	20.781	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	50774	21.255	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	98057	102.200	ug/l #	88
59) 2-Hexanone	10.831	43	86084	113.059	ug/l	81
60) Dibromochloromethane	10.984	129	37778	20.182	ug/l	98
61) 1,2-Dibromoethane	11.087	107	30945	20.432	ug/l	99
64) Tetrachloroethene	10.721	164	38055	19.967	ug/l	97
65) Chlorobenzene	11.514	112	100614	19.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	37202	19.580	ug/l	97
67) Ethyl Benzene	11.593	91	168854	19.944	ug/l	95
68) m/p-Xylenes	11.703	106	138302	39.987	ug/l	89
69) o-Xylene	12.026	106	65320	19.706	ug/l	89
70) Styrene	12.044	104	110249	20.008	ug/l	93
71) Bromoform	12.209	173	24900	19.714	ug/l #	97
73) Isopropylbenzene	12.331	105	171065	19.985	ug/l	98
74) N-amyl acetate	12.142	43	41079	21.476	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	36732	21.207	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	26122m	22.303	ug/l	
77) Bromobenzene	12.611	156	44138	19.544	ug/l	86
78) n-propylbenzene	12.672	91	202341	20.314	ug/l	96
79) 2-Chlorotoluene	12.758	91	112992	20.148	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	142203	20.108	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	11746	20.333	ug/l	86
82) 4-Chlorotoluene	12.855	91	118664	20.541	ug/l	95
83) tert-Butylbenzene	13.075	119	126300	19.940	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	141064	20.069	ug/l	95
85) sec-Butylbenzene	13.251	105	187653	20.102	ug/l	97
86) p-Isopropyltoluene	13.367	119	159390	20.112	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	86747	19.861	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	86678	20.119	ug/l	98
89) n-Butylbenzene	13.696	91	141380	20.253	ug/l	97
90) Hexachloroethane	13.965	117	29087	19.817	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	78681	20.186	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5806	22.025	ug/l	69
93) 1,2,4-Trichlorobenzene	15.007	180	48390	19.456	ug/l	99
94) Hexachlorobutadiene	15.111	225	27517	19.591	ug/l	99
95) Naphthalene	15.239	128	98979	19.846	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	43515	19.712	ug/l	98

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

