

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008517.D
 Acq On : 27 Apr 2022 11:16
 Operator : KP/MD
 Sample : VY0427SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0427SBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

04/28/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 27 15:29:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	88936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	144344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70727	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51845	49.544	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.716	113	48965	49.797	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.179	98	182330	46.680	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.360%
62) 4-Bromofluorobenzene	12.483	95	61232	46.246	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16927	20.959	ug/l	95
3) Chloromethane	2.113	50	29407	23.139	ug/l	96
4) Vinyl Chloride	2.253	62	41258	24.985	ug/l	99
5) Bromomethane	2.644	94	37955	24.719	ug/l	92
6) Chloroethane	2.790	64	27187	24.747	ug/l	99
7) Trichlorofluoromethane	3.125	101	38846	22.708	ug/l	93
8) Diethyl Ether	3.528	74	11940	20.280	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	23301	22.882	ug/l	94
10) Methyl Iodide	4.088	142	23308	18.476	ug/l	90
11) Tert butyl alcohol	4.954	59	10874	86.647	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	21127	21.976	ug/l #	77
13) Acrolein	3.729	56	10212	91.660	ug/l	99
14) Allyl chloride	4.479	41	28347	22.590	ug/l #	91
15) Acrylonitrile	5.161	53	29727	98.749	ug/l	98
16) Acetone	3.948	43	21801	89.445	ug/l #	74
17) Carbon Disulfide	4.192	76	61719	21.235	ug/l	100
18) Methyl Acetate	4.479	43	13835	20.240	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	60379	19.849	ug/l	92
20) Methylene Chloride	4.716	84	31271	21.103	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	25313	21.584	ug/l #	83
22) Diisopropyl ether	6.119	45	66029	21.789	ug/l #	90
23) Vinyl Acetate	6.058	43	213172	102.606	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	41891	22.208	ug/l	99
25) 2-Butanone	6.984	43	36362	96.431	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	38506	22.041	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	28666	21.370	ug/l	85
28) Bromochloromethane	7.332	49	14978	19.685	ug/l #	80
29) Tetrahydrofuran	7.350	42	23540	96.925	ug/l #	78
30) Chloroform	7.502	83	45157	21.791	ug/l	100
31) Cyclohexane	7.783	56	37109	21.571	ug/l #	73
32) 1,1,1-Trichloroethane	7.704	97	39649	21.850	ug/l	96
36) 1,1-Dichloropropene	7.917	75	33995	21.735	ug/l	97
37) Ethyl Acetate	7.070	43	17156	19.833	ug/l #	92
38) Carbon Tetrachloride	7.899	117	36407	22.403	ug/l	96
39) Methylcyclohexane	9.185	83	44300	22.120	ug/l #	85
40) Benzene	8.161	78	100411	22.005	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	10100m	24.077	ug/l	
42) 1,2-Dichloroethane	8.240	62	29393	21.395	ug/l	92
43) Isopropyl Acetate	8.271	43	31540	19.826	ug/l #	86
44) Trichloroethene	8.941	130	27765	22.086	ug/l	93
45) 1,2-Dichloropropane	9.216	63	24887	22.712	ug/l	99
46) Dibromomethane	9.307	93	15462	20.140	ug/l	94
47) Bromodichloromethane	9.496	83	35717	21.916	ug/l	95
48) Methyl methacrylate	9.289	41	13749	20.326	ug/l #	79
49) 1,4-Dioxane	9.289	88	4053	418.665	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	84434	100.891	ug/l	88
52) Toluene	10.246	92	66453	22.021	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	35617	20.380	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	40721	21.026	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	21429	20.451	ug/l	98
56) Ethyl methacrylate	10.508	69	26838	19.837	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	35526	20.770	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	66445	89.612	ug/l	92
59) 2-Hexanone	10.831	43	57770	100.311	ug/l	86
60) Dibromochloromethane	10.983	129	24914	20.695	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20585	19.863	ug/l	99
64) Tetrachloroethene	10.721	164	24745	23.117	ug/l	99
65) Chlorobenzene	11.520	112	71120	21.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	25646	21.283	ug/l	96
67) Ethyl Benzene	11.593	91	124167	21.921	ug/l	97
68) m/p-Xylenes	11.703	106	99332	43.780	ug/l	92
69) o-Xylene	12.032	106	46598	21.333	ug/l	92
70) Styrene	12.044	104	77461	21.043	ug/l	95
71) Bromoform	12.209	173	14175	18.771	ug/l #	99
73) Isopropylbenzene	12.331	105	122931	22.924	ug/l	100
74) N-amyl acetate	12.142	43	27655	20.872	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	25910	21.625	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	18785m	20.523	ug/l	
77) Bromobenzene	12.611	156	27973	21.389	ug/l	96
78) n-propylbenzene	12.672	91	150126	23.340	ug/l	99
79) 2-Chlorotoluene	12.758	91	81849	22.609	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	102064	22.930	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	7873	19.954	ug/l	89
82) 4-Chlorotoluene	12.855	91	85953	22.912	ug/l	98
83) tert-Butylbenzene	13.075	119	87343	22.604	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	99561	22.543	ug/l	97
85) sec-Butylbenzene	13.251	105	136673	23.437	ug/l	99
86) p-Isopropyltoluene	13.373	119	112317	22.999	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	57119	21.815	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	57138	22.030	ug/l	99
89) n-Butylbenzene	13.696	91	105556	23.814	ug/l	100
90) Hexachloroethane	13.965	117	20799	23.689	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	50818	21.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3205	17.800	ug/l	65
93) 1,2,4-Trichlorobenzene	15.007	180	28274	21.818	ug/l	99
94) Hexachlorobutadiene	15.117	225	14596	23.084	ug/l	98
95) Naphthalene	15.239	128	57549	19.589	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	24283	21.408	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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