

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009160.D
 Acq On : 07 Jun 2022 12:23
 Operator : KP/MD
 Sample : VY0607SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0607SBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

06/08/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 07 12:45:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	108704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	176186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	168257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89616	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52661	47.071	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.140%
35) Dibromofluoromethane	7.716	113	56274	51.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.720%
50) Toluene-d8	10.179	98	169761	42.001	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.000%
62) 4-Bromofluorobenzene	12.483	95	79537	48.783	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.560%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	17333	17.434	ug/l	99
3) Chloromethane	2.107	50	30373	21.324	ug/l	95
4) Vinyl Chloride	2.247	62	47996	22.744	ug/l	99
5) Bromomethane	2.625	94	54057	26.133	ug/l	99
6) Chloroethane	2.778	64	35691	23.874	ug/l	97
7) Trichlorofluoromethane	3.119	101	37518	20.936	ug/l	90
8) Diethyl Ether	3.521	74	11280	20.130	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	20956	19.027	ug/l	93
10) Methyl Iodide	4.082	142	18433	16.208	ug/l	91
11) Tert butyl alcohol	4.948	59	13265	116.894	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	18449	18.044	ug/l	88
13) Acrolein	3.723	56	4022	107.677	ug/l	94
14) Allyl chloride	4.473	41	28733	18.647	ug/l #	89
15) Acrylonitrile	5.155	53	30470	97.116	ug/l	98
16) Acetone	3.936	43	25160	108.039	ug/l	98
17) Carbon Disulfide	4.186	76	57702	17.274	ug/l	100
18) Methyl Acetate	4.466	43	15986	22.044	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	57746	18.817	ug/l	96
20) Methylene Chloride	4.704	84	25593	13.837	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	23701	18.060	ug/l	86
22) Diisopropyl ether	6.112	45	67964	18.360	ug/l #	93
23) Vinyl Acetate	6.051	43	223658	91.338	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	41575	18.777	ug/l #	97
25) 2-Butanone	6.978	43	41754	100.383	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	39914	19.570	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	27796	18.789	ug/l	89
28) Bromochloromethane	7.326	49	13828	18.195	ug/l #	87
29) Tetrahydrofuran	7.344	42	27122	95.992	ug/l #	88
30) Chloroform	7.502	83	45045	18.847	ug/l	97
31) Cyclohexane	7.783	56	36685	16.761	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	39574	18.251	ug/l	99
36) 1,1-Dichloropropene	7.917	75	34072	18.274	ug/l	98
37) Ethyl Acetate	7.070	43	19147	19.797	ug/l	98
38) Carbon Tetrachloride	7.893	117	35178	18.036	ug/l	99
39) Methylcyclohexane	9.179	83	40822	16.962	ug/l	89
40) Benzene	8.155	78	99670	18.538	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	10100m	20.237	ug/l	
42) 1,2-Dichloroethane	8.234	62	30178	19.115	ug/l	94
43) Isopropyl Acetate	8.271	43	34305	19.076	ug/l #	91
44) Trichloroethene	8.935	130	26144	18.365	ug/l	95
45) 1,2-Dichloropropane	9.209	63	25119	19.457	ug/l	100
46) Dibromomethane	9.301	93	15246	18.573	ug/l	93
47) Bromodichloromethane	9.496	83	36063	19.223	ug/l	96
48) Methyl methacrylate	9.289	41	15290	19.041	ug/l #	84
49) 1,4-Dioxane	9.295	88	4123	375.731	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	94771	95.221	ug/l	94
52) Toluene	10.240	92	65965	17.556	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	36023	18.082	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	40060	18.705	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	21242	18.496	ug/l	96
56) Ethyl methacrylate	10.508	69	25592	17.430	ug/l	89
57) 1,3-Dichloropropane	10.788	76	35188	18.783	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	56108	88.328	ug/l	94
59) 2-Hexanone	10.831	43	65849	96.633	ug/l	93
60) Dibromochloromethane	10.984	129	25207	18.106	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20451	17.971	ug/l	97
64) Tetrachloroethene	10.715	164	22772	18.594	ug/l	95
65) Chlorobenzene	11.514	112	70323	18.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	25863	18.290	ug/l	96
67) Ethyl Benzene	11.593	91	123930	17.807	ug/l	95
68) m/p-Xylenes	11.703	106	99032	35.052	ug/l	91
69) o-Xylene	12.032	106	46502	17.724	ug/l	87
70) Styrene	12.044	104	77743	17.231	ug/l	94
71) Bromoform	12.203	173	15798	16.853	ug/l #	98
73) Isopropylbenzene	12.331	105	121561	18.141	ug/l	100
74) N-amyl acetate	12.142	43	32359	20.930	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	27169	19.682	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	20320m	21.115	ug/l	
77) Bromobenzene	12.605	156	28401	18.284	ug/l	96
78) n-propylbenzene	12.672	91	155093	20.033	ug/l	100
79) 2-Chlorotoluene	12.758	91	82830	18.548	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	101978	18.156	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	8800	18.768	ug/l	91
82) 4-Chlorotoluene	12.855	91	88846	18.601	ug/l	97
83) tert-Butylbenzene	13.075	119	88688	17.798	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	102538	18.390	ug/l	97
85) sec-Butylbenzene	13.251	105	141871	18.609	ug/l	100
86) p-Isopropyltoluene	13.367	119	115756	18.207	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	60806	18.351	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	60839	18.275	ug/l	99
89) n-Butylbenzene	13.696	91	113771	19.561	ug/l	98
90) Hexachloroethane	13.959	117	22472	18.861	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	53946	18.443	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	4224	19.710	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	17352	10.809	ug/l	97
94) Hexachlorobutadiene	15.111	225	9166	10.476	ug/l	96
95) Naphthalene	15.239	128	36642	11.363	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	16570	11.878	ug/l	99

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

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