

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009479.D
 Acq On : 08 Jul 2022 13:40
 Operator : KP/MD
 Sample : VY0708SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2022
 Supervised By :Semsettin Yesilyurt 07/18/2022

Quant Time: Jul 11 02:13:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	151930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	237974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	223550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53437	49.920	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.840%		
35) Dibromofluoromethane	7.710	113	55551	44.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.720%		
50) Toluene-d8	10.173	98	166757	48.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	96.600%		
62) 4-Bromofluorobenzene	12.477	95	86626	49.010	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	98.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21644	18.577	ug/l	96
3) Chloromethane	2.107	50	19418	14.924	ug/l	97
4) Vinyl Chloride	2.241	62	25023	16.892	ug/l	98
5) Bromomethane	2.631	94	21153	19.876	ug/l	99
6) Chloroethane	2.778	64	15759	18.221	ug/l	90
7) Trichlorofluoromethane	3.113	101	40332	20.393	ug/l	95
8) Diethyl Ether	3.521	74	13956	18.444	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.881	101	25547	19.065	ug/l	95
10) Methyl Iodide	4.082	142	23415	16.084	ug/l	92
11) Tert butyl alcohol	4.936	59	41423	206.453	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	21498	17.297	ug/l	84
13) Acrolein	3.716	56	6597	78.487	ug/l	96
14) Allyl chloride	4.466	41	38834	18.160	ug/l	96
15) Acrylonitrile	5.155	53	41071	98.646	ug/l	98
16) Acetone	3.942	43	32975	89.220	ug/l	93
17) Carbon Disulfide	4.180	76	49836	15.421	ug/l	97
18) Methyl Acetate	4.466	43	24088	22.198	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	73681	19.587	ug/l	99
20) Methylene Chloride	4.704	84	32606	15.358	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	24882	17.086	ug/l	85
22) Diisopropyl ether	6.112	45	92390	20.322	ug/l	95
23) Vinyl Acetate	6.051	43	282447	88.618	ug/l	95
24) 1,1-Dichloroethane	6.009	63	49019	19.120	ug/l	99
25) 2-Butanone	6.978	43	56905	95.177	ug/l	93
26) 2,2-Dichloropropane	6.972	77	45751	18.106	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	31443	18.340	ug/l	91
28) Bromochloromethane	7.332	49	21312	19.778	ug/l	86
29) Tetrahydrofuran	7.338	42	37052	95.814	ug/l	94
30) Chloroform	7.502	83	52401	18.675	ug/l	98
31) Cyclohexane	7.777	56	41613	16.695	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	46815	18.924	ug/l	98
36) 1,1-Dichloropropene	7.911	75	36697	18.002	ug/l	97
37) Ethyl Acetate	7.063	43	25455	19.921	ug/l #	94
38) Carbon Tetrachloride	7.892	117	41723	19.137	ug/l	98
39) Methylcyclohexane	9.179	83	42394	17.325	ug/l	95
40) Benzene	8.155	78	110964	18.537	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13530m	20.391	ug/l	
42) 1,2-Dichloroethane	8.228	62	35668	19.847	ug/l	95
43) Isopropyl Acetate	8.264	43	45947	19.271	ug/l	96
44) Trichloroethene	8.935	130	32676	19.323	ug/l	97
45) 1,2-Dichloropropane	9.209	63	29364	19.383	ug/l	98
46) Dibromomethane	9.301	93	16928	19.039	ug/l	95
47) Bromodichloromethane	9.490	83	41557	19.637	ug/l	95
48) Methyl methacrylate	9.289	41	19534	19.016	ug/l	87
49) 1,4-Dioxane	9.289	88	5078	387.810	ug/l	89
51) 4-Methyl-2-Pentanone	10.063	43	128721	102.661	ug/l	96
52) Toluene	10.240	92	73543	19.280	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	42523	19.067	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	45970	18.486	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	24475	19.081	ug/l	94
56) Ethyl methacrylate	10.508	69	32411	19.032	ug/l	90
57) 1,3-Dichloropropane	10.782	76	41357	19.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	81487	97.951	ug/l	95
59) 2-Hexanone	10.825	43	88280	101.608	ug/l	94
60) Dibromochloromethane	10.977	129	30268	19.486	ug/l	98
61) 1,2-Dibromoethane	11.081	107	23637	19.222	ug/l	100
64) Tetrachloroethene	10.715	164	35157	18.810	ug/l	99
65) Chlorobenzene	11.514	112	83877	19.104	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	31054	18.803	ug/l	98
67) Ethyl Benzene	11.587	91	143345	18.702	ug/l	95
68) m/p-Xylenes	11.697	106	114538	38.315	ug/l	93
69) o-Xylene	12.026	106	53943	18.826	ug/l	93
70) Styrene	12.038	104	93179	19.469	ug/l	95
71) Bromoform	12.203	173	20332	19.315	ug/l #	100
73) Isopropylbenzene	12.325	105	145758	18.216	ug/l	98
74) N-amyl acetate	12.142	43	42240	18.554	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.575	83	29287	18.280	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	21017m	16.969	ug/l	
77) Bromobenzene	12.605	156	35690	18.322	ug/l	95
78) n-propylbenzene	12.666	91	179711	18.590	ug/l	98
79) 2-Chlorotoluene	12.751	91	99562	18.396	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	125387	18.747	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	10248	16.934	ug/l	92
82) 4-Chlorotoluene	12.849	91	104137	18.360	ug/l	96
83) tert-Butylbenzene	13.068	119	105479	17.727	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	125172	18.803	ug/l	97
85) sec-Butylbenzene	13.245	105	165550	18.891	ug/l	99
86) p-Isopropyltoluene	13.367	119	139965	19.161	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	72553	18.869	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	72722	18.686	ug/l	99
89) n-Butylbenzene	13.690	91	128095	18.779	ug/l	98
90) Hexachloroethane	13.958	117	26963	18.812	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	66385	18.844	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	5511	19.625	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	36645	17.055	ug/l	98
94) Hexachlorobutadiene	15.111	225	22381	18.946	ug/l	99
95) Naphthalene	15.233	128	76089	17.128	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	31589	16.974	ug/l	97

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

