

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009961.D
 Acq On : 11 Aug 2022 14:02
 Operator : KP/MD
 Sample : VY0811SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0811SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/12/2022
 Supervised By :Mahesh Dadoda 08/12/2022

Quant Time: Aug 12 02:48:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	68663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	116301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	108326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	27249	51.157	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.320%	
35) Dibromofluoromethane	7.703	113	29877	44.649	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.300%	
50) Toluene-d8	10.173	98	93096	47.311	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.620%	
62) 4-Bromofluorobenzene	12.477	95	48861	51.939	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	12632	21.729	ug/l	98
3) Chloromethane	2.107	50	15810	25.989	ug/l	90
4) Vinyl Chloride	2.241	62	15529	24.283	ug/l	93
5) Bromomethane	2.631	94	10799	23.970	ug/l	98
6) Chloroethane	2.778	64	10820	24.171	ug/l	99
7) Trichlorofluoromethane	3.107	101	27922	21.334	ug/l	97
8) Diethyl Ether	3.515	74	9378	19.047	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.875	101	15256	19.111	ug/l	97
10) Methyl Iodide	4.076	142	16089	17.483	ug/l	96
11) Tert butyl alcohol	4.954	59	9315	138.898	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	15073	19.359	ug/l	92
13) Acrolein	3.722	56	9133	88.098	ug/l	97
14) Allyl chloride	4.460	41	24276	18.548	ug/l	99
15) Acrylonitrile	5.149	53	22801	94.510	ug/l	98
16) Acetone	3.942	43	20131	116.540	ug/l	96
17) Carbon Disulfide	4.174	76	48248	18.989	ug/l	100
18) Methyl Acetate	4.466	43	11807	19.463	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	38028	19.220	ug/l	95
20) Methylene Chloride	4.704	84	24946	25.972	ug/l	96
21) trans-1,2-Dichloroethene	5.198	96	16833	19.309	ug/l	94
22) Diisopropyl ether	6.106	45	51829	19.505	ug/l	96
23) Vinyl Acetate	6.045	43	164967	100.123	ug/l	98
24) 1,1-Dichloroethane	6.003	63	28699	19.089	ug/l	98
25) 2-Butanone	6.978	43	32486	109.899	ug/l	100
26) 2,2-Dichloropropane	6.972	77	24867	20.949	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	18499	19.533	ug/l	97
28) Bromochloromethane	7.319	49	12699	19.795	ug/l	92
29) Tetrahydrofuran	7.338	42	20224	99.542	ug/l	98
30) Chloroform	7.496	83	28797	19.282	ug/l	96
31) Cyclohexane	7.777	56	28143	19.144	ug/l #	94
32) 1,1,1-Trichloroethane	7.691	97	24560	19.610	ug/l	98
36) 1,1-Dichloropropene	7.911	75	22824	19.594	ug/l	97
37) Ethyl Acetate	7.063	43	14580	21.425	ug/l	98
38) Carbon Tetrachloride	7.886	117	21806	19.545	ug/l	97
39) Methylcyclohexane	9.179	83	27038	19.297	ug/l	95
40) Benzene	8.155	78	69357	19.708	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	6015	16.914	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	18651	20.224	ug/l	100
43) Isopropyl Acetate	8.264	43	24928	20.460	ug/l	99
44) Trichloroethene	8.935	130	17580	19.533	ug/l	97
45) 1,2-Dichloropropane	9.209	63	17551	20.030	ug/l	98
46) Dibromomethane	9.301	93	9726	19.552	ug/l	96
47) Bromodichloromethane	9.490	83	22055	19.661	ug/l	95
48) Methyl methacrylate	9.289	41	10340	19.177	ug/l	96
49) 1,4-Dioxane	9.289	88	2182	427.190	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	68286	103.818	ug/l	98
52) Toluene	10.240	92	42466	19.651	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	22193	19.231	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	26080	19.320	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	13534	18.780	ug/l	95
56) Ethyl methacrylate	10.508	69	17220	19.385	ug/l	95
57) 1,3-Dichloropropane	10.788	76	22437	18.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	45832	99.019	ug/l	96
59) 2-Hexanone	10.831	43	47170	104.065	ug/l	98
60) Dibromochloromethane	10.977	129	15327	18.963	ug/l	99
61) 1,2-Dibromoethane	11.081	107	12692	18.996	ug/l	93
64) Tetrachloroethene	10.715	164	15942	18.804	ug/l	98
65) Chlorobenzene	11.514	112	44039	18.690	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	16161	19.261	ug/l	98
67) Ethyl Benzene	11.587	91	78119	19.053	ug/l	94
68) m/p-Xylenes	11.697	106	61461	38.705	ug/l	97
69) o-Xylene	12.026	106	26462	17.952	ug/l	94
70) Styrene	12.038	104	45760	18.430	ug/l	99
71) Bromoform	12.203	173	9608	19.292	ug/l #	100
73) Isopropylbenzene	12.325	105	80600	18.006	ug/l	99
74) N-amyl acetate	12.142	43	21823	16.177	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	17546	17.539	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	12029m	18.025	ug/l	
77) Bromobenzene	12.605	156	18927	17.658	ug/l	91
78) n-propylbenzene	12.666	91	96570	16.828	ug/l	99
79) 2-Chlorotoluene	12.751	91	50330	15.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	60713	16.108	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	6277	18.309	ug/l	96
82) 4-Chlorotoluene	12.849	91	53923	15.942	ug/l	100
83) tert-Butylbenzene	13.074	119	52514	16.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	61653	16.775	ug/l	100
85) sec-Butylbenzene	13.251	105	91364	18.372	ug/l	99
86) p-Isopropyltoluene	13.367	119	75761	18.980	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	40378	18.730	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	40864	18.585	ug/l	97
89) n-Butylbenzene	13.696	91	73105	18.482	ug/l	97
90) Hexachloroethane	13.958	117	15304	18.347	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	36626	18.621	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2877	18.846	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	19356	18.010	ug/l	99
94) Hexachlorobutadiene	15.111	225	10847	17.871	ug/l	96
95) Naphthalene	15.233	128	38723	16.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	16166	16.731	ug/l	96

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

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