

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081722\
 Data File : VY010058.D
 Acq On : 17 Aug 2022 10:56
 Operator : KP/MD
 Sample : VY0817SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0817SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/18/2022
 Supervised By :Mahesh Dadoda 08/18/2022

Quant Time: Aug 17 14:56:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	100830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	140840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	134117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	74798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49433	49.033	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.060%		
35) Dibromofluoromethane	7.715	113	48985	53.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.260%		
50) Toluene-d8	10.178	98	174699	51.699	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.400%		
62) 4-Bromofluorobenzene	12.483	95	63225	53.270	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	16233	19.667	ug/l	99
3) Chloromethane	2.107	50	18979	16.780	ug/l	99
4) Vinyl Chloride	2.241	62	24914	17.373	ug/l	98
5) Bromomethane	2.637	94	22362	19.104	ug/l	97
6) Chloroethane	2.783	64	17858	18.082	ug/l	96
7) Trichlorofluoromethane	3.119	101	33927	19.916	ug/l	99
8) Diethyl Ether	3.515	74	8856	18.561	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	18174	20.118	ug/l	99
10) Methyl Iodide	4.082	142	17023	15.919	ug/l	98
11) Tert butyl alcohol	4.954	59	10794	110.094	ug/l	95
12) 1,1-Dichloroethene	3.856	96	14426	17.448	ug/l	99
13) Acrolein	3.716	56	6028	89.575	ug/l	95
14) Allyl chloride	4.472	41	20437	16.820	ug/l	100
15) Acrylonitrile	5.155	53	20877	92.799	ug/l	98
16) Acetone	3.942	43	21534	99.723	ug/l	93
17) Carbon Disulfide	4.179	76	32599	13.765	ug/l	99
18) Methyl Acetate	4.472	43	10766	18.308	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	43103	18.974	ug/l	100
20) Methylene Chloride	4.704	84	20922	18.844	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	16465	17.316	ug/l	97
22) Diisopropyl ether	6.112	45	47916	20.050	ug/l	98
23) Vinyl Acetate	6.051	43	145179	96.270	ug/l	99
24) 1,1-Dichloroethane	6.002	63	29527	19.454	ug/l	99
25) 2-Butanone	6.978	43	29055	98.354	ug/l	93
26) 2,2-Dichloropropane	6.978	77	31841	19.962	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	19132	18.297	ug/l	96
28) Bromochloromethane	7.325	49	9980	15.802	ug/l	86
29) Tetrahydrofuran	7.344	42	16294	84.917	ug/l	96
30) Chloroform	7.502	83	35295	19.015	ug/l	99
31) Cyclohexane	7.782	56	22030	15.465	ug/l #	90
32) 1,1,1-Trichloroethane	7.697	97	33875	20.132	ug/l	99
36) 1,1-Dichloropropene	7.910	75	22281	17.512	ug/l	97
37) Ethyl Acetate	7.069	43	11040	17.230	ug/l #	92
38) Carbon Tetrachloride	7.892	117	31277	19.988	ug/l	98
39) Methylcyclohexane	9.179	83	24479	17.076	ug/l	94
40) Benzene	8.154	78	67041	18.011	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	5535m	16.724	ug/l	
42) 1,2-Dichloroethane	8.228	62	22526	19.422	ug/l	100
43) Isopropyl Acetate	8.264	43	21558	17.726	ug/l #	87
44) Trichloroethene	8.935	130	21632	19.227	ug/l	100
45) 1,2-Dichloropropane	9.209	63	16035	18.219	ug/l	98
46) Dibromomethane	9.300	93	11233	19.928	ug/l	98
47) Bromodichloromethane	9.496	83	26880	19.770	ug/l	94
48) Methyl methacrylate	9.294	41	9139	17.270	ug/l	91
49) 1,4-Dioxane	9.294	88	2548	439.656	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	60115	89.592	ug/l	96
52) Toluene	10.239	92	44424	18.517	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	24666	18.837	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	27518	19.212	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	15917	20.444	ug/l	98
56) Ethyl methacrylate	10.508	69	16200	18.003	ug/l	97
57) 1,3-Dichloropropane	10.788	76	23359	18.741	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	42793	109.889	ug/l	98
59) 2-Hexanone	10.831	43	40735	94.104	ug/l	95
60) Dibromochloromethane	10.983	129	21068	20.430	ug/l	99
61) 1,2-Dibromoethane	11.087	107	14843	19.562	ug/l	100
64) Tetrachloroethene	10.715	164	21775	19.014	ug/l	96
65) Chlorobenzene	11.514	112	54025	19.324	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	21817	19.695	ug/l	98
67) Ethyl Benzene	11.593	91	88922	18.971	ug/l	98
68) m/p-Xylenes	11.703	106	72532	38.954	ug/l	98
69) o-Xylene	12.032	106	32933	18.932	ug/l	97
70) Styrene	12.044	104	56855	19.369	ug/l	99
71) Bromoform	12.209	173	14005	20.181	ug/l #	99
73) Isopropylbenzene	12.330	105	89141	19.067	ug/l	96
74) N-amyl acetate	12.141	43	19894	18.312	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.580	83	17507	18.837	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	13735m	19.372	ug/l	
77) Bromobenzene	12.605	156	24506	19.731	ug/l	92
78) n-propylbenzene	12.672	91	108538	18.831	ug/l	98
79) 2-Chlorotoluene	12.757	91	61494	18.867	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	80054	19.656	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	5546	17.677	ug/l	94
82) 4-Chlorotoluene	12.855	91	65254	19.139	ug/l	97
83) tert-Butylbenzene	13.074	119	69719	19.482	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	79315	19.834	ug/l	97
85) sec-Butylbenzene	13.251	105	100501	19.226	ug/l	97
86) p-Isopropyltoluene	13.367	119	87355	19.499	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	49559	19.595	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	49882	19.536	ug/l	99
89) n-Butylbenzene	13.696	91	75034	18.800	ug/l	99
90) Hexachloroethane	13.958	117	17869	19.678	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	44531	19.797	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.354	75	3042	19.043	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	26567	19.769	ug/l	98
94) Hexachlorobutadiene	15.110	225	18203	21.166	ug/l	96
95) Naphthalene	15.238	128	45276	19.031	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	23388	19.774	ug/l	99

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

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