

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011886.D
 Acq On : 15 Dec 2022 20:39
 Operator : KP/MD
 Sample : N6038-29MSD
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-42-(3-5)MSD

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

Quant Time: Dec 16 00:16:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	189961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61988	47.589	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.180%		
35) Dibromofluoromethane	7.716	113	65187	51.725	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.440%		
50) Toluene-d8	10.179	98	186812	44.344	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.680%		
62) 4-Bromofluorobenzene	12.483	95	70493	42.024	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41065	48.584	ug/l	98
3) Chloromethane	2.113	50	46366	45.248	ug/l	97
4) Vinyl Chloride	2.253	62	57142	46.837	ug/l	97
5) Bromomethane	2.656	94	37514	45.639	ug/l	92
6) Chloroethane	2.796	64	40818	43.332	ug/l	94
7) Trichlorofluoromethane	3.131	101	116180	44.491	ug/l	98
8) Diethyl Ether	3.527	74	39917	43.641	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	69991	44.900	ug/l	99
10) Methyl Iodide	4.088	142	66734	36.564	ug/l	98
11) Tert butyl alcohol	4.948	59	33245	215.364	ug/l	99
12) 1,1-Dichloroethene	3.875	96	60442	42.994	ug/l	95
13) Acrolein	3.729	56	21306	79.563	ug/l	99
14) Allyl chloride	4.478	41	100752	43.144	ug/l	99
15) Acrylonitrile	5.161	53	106286	216.495	ug/l	100
16) Acetone	3.948	43	87706	169.089	ug/l	94
17) Carbon Disulfide	4.198	76	121559	37.862	ug/l	98
18) Methyl Acetate	4.478	43	137183	113.293	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	212163	48.199	ug/l	99
20) Methylene Chloride	4.716	84	95175	51.750	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	66368	42.003	ug/l	98
22) Diisopropyl ether	6.118	45	236911	46.499	ug/l	95
23) Vinyl Acetate	6.063	43	277818m	95.580	ug/l	
24) 1,1-Dichloroethane	6.021	63	141368	45.660	ug/l	99
25) 2-Butanone	6.990	43	132340	198.351	ug/l	99
26) 2,2-Dichloropropane	6.984	77	129090	44.317	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	86549	44.817	ug/l	99
28) Bromochloromethane	7.332	49	56071	49.745	ug/l	99
29) Tetrahydrofuran	7.350	42	89675	236.140	ug/l	99
30) Chloroform	7.508	83	155312	46.923	ug/l	99
31) Cyclohexane	7.789	56	100436	45.096	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	139148	47.138	ug/l	99
36) 1,1-Dichloropropene	7.917	75	96990	44.942	ug/l	99
37) Ethyl Acetate	7.075	43	35069	27.795	ug/l	98
38) Carbon Tetrachloride	7.905	117	124225	49.003	ug/l	97
39) Methylcyclohexane	9.185	83	101685	41.875	ug/l	99
40) Benzene	8.161	78	301042	46.693	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	34234m	53.748	ug/l	
42) 1,2-Dichloroethane	8.234	62	96703	48.504	ug/l	99
43) Isopropyl Acetate	8.277	43	76751	33.547	ug/l	95
44) Trichloroethene	8.941	130	81551	45.165	ug/l	98
45) 1,2-Dichloropropane	9.215	63	79857	47.857	ug/l	100
46) Dibromomethane	9.307	93	45410	48.615	ug/l	99
47) Bromodichloromethane	9.496	83	118515	49.113	ug/l	97
48) Methyl methacrylate	9.295	41	55020	54.557	ug/l	97
49) 1,4-Dioxane	9.301	88	10616	820.398	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	310708	246.471	ug/l	100
52) Toluene	10.246	92	193170	47.130	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	108343	44.949	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	121619	44.908	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	69597	50.411	ug/l	98
56) Ethyl methacrylate	10.508	69	57052	32.012	ug/l	99
57) 1,3-Dichloropropane	10.788	76	113007	49.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	205619	248.813	ug/l	98
59) 2-Hexanone	10.831	43	194657	216.118	ug/l	100
60) Dibromochloromethane	10.983	129	86287	49.901	ug/l	98
61) 1,2-Dibromoethane	11.087	107	59424	47.512	ug/l	100
64) Tetrachloroethene	10.721	164	80167	47.000	ug/l	98
65) Chlorobenzene	11.514	112	199190	45.855	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	86837	51.530	ug/l	99
67) Ethyl Benzene	11.593	91	363124	47.442	ug/l	99
68) m/p-Xylenes	11.703	106	277464	94.658	ug/l	99
69) o-Xylene	12.032	106	135787	48.600	ug/l	99
70) Styrene	12.044	104	219036	45.933	ug/l	99
71) Bromoform	12.209	173	52845	50.840	ug/l #	98
73) Isopropylbenzene	12.331	105	362374	54.278	ug/l	100
74) N-amyl acetate	12.142	43	43815	27.296	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	75986	58.441	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	60867m	58.383	ug/l	
77) Bromobenzene	12.611	156	80924	51.914	ug/l	99
78) n-propylbenzene	12.672	91	408889	51.106	ug/l	99
79) 2-Chlorotoluene	12.757	91	229639	50.291	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	295569	52.377	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	23229	50.560	ug/l	98
82) 4-Chlorotoluene	12.855	91	229707	48.502	ug/l	99
83) tert-Butylbenzene	13.074	119	259070	52.724	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	286681	51.596	ug/l	99
85) sec-Butylbenzene	13.251	105	358018	48.924	ug/l	99
86) p-Isopropyltoluene	13.367	119	294524	48.357	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	144415	46.037	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	141594	45.415	ug/l	99
89) n-Butylbenzene	13.696	91	227668	41.120	ug/l	99
90) Hexachloroethane	13.958	117	56599	46.766	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	132735	47.021	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12326	54.375	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	55915	33.961	ug/l	100
94) Hexachlorobutadiene	15.111	225	29146	27.861	ug/l	98
95) Naphthalene	15.233	128	131522	41.244	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	48490	34.096	ug/l	99

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

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