

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011830.D
 Acq On : 14 Dec 2022 06:32
 Operator : KP/MD
 Sample : N6037-19MSD
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-25-(7-9)MSD

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 07:20:19 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	68513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	105112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	89240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	35881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	23094	49.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.660%		
35) Dibromofluoromethane	7.722	113	23469	50.276	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.560%		
50) Toluene-d8	10.179	98	69303	44.537	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.080%		
62) 4-Bromofluorobenzene	12.483	95	23492	37.397	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	74.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16435	54.780	ug/l	97
3) Chloromethane	2.113	50	20447	56.343	ug/l	99
4) Vinyl Chloride	2.253	62	24208	55.737	ug/l	95
5) Bromomethane	2.656	94	14853	50.546	ug/l	99
6) Chloroethane	2.796	64	17169	50.535	ug/l	96
7) Trichlorofluoromethane	3.131	101	48811	51.826	ug/l	96
8) Diethyl Ether	3.534	74	17246	52.278	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	30206	53.726	ug/l	99
10) Methyl Iodide	4.095	142	39063	59.342	ug/l	98
11) Tert butyl alcohol	4.948	59	16154	293.259	ug/l	99
12) 1,1-Dichloroethene	3.875	96	25878	51.037	ug/l	97
13) Acrolein	3.735	56	15336	158.786	ug/l	100
14) Allyl chloride	4.485	41	38842	46.117	ug/l	96
15) Acrylonitrile	5.168	53	47782	269.853	ug/l	99
16) Acetone	3.948	43	40399	215.948	ug/l	97
17) Carbon Disulfide	4.198	76	51257	44.265	ug/l	99
18) Methyl Acetate	4.479	43	45714	104.536	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	87152	54.896	ug/l	100
20) Methylene Chloride	4.716	84	44169	68.497	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	27124	47.595	ug/l	92
22) Diisopropyl ether	6.119	45	95224	51.820	ug/l	98
23) Vinyl Acetate	6.064	43	111546m	106.403	ug/l	
24) 1,1-Dichloroethane	6.021	63	58909	52.755	ug/l	100
25) 2-Butanone	6.990	43	58310	242.314	ug/l	96
26) 2,2-Dichloropropane	6.984	77	49560	47.174	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	34374	49.352	ug/l	99
28) Bromochloromethane	7.338	49	21860	53.772	ug/l	98
29) Tetrahydrofuran	7.350	42	38748	282.904	ug/l	98
30) Chloroform	7.509	83	63987	53.600	ug/l	99
31) Cyclohexane	7.789	56	41818	52.564	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	56942	53.484	ug/l	98
36) 1,1-Dichloropropene	7.923	75	40301	50.526	ug/l	99
37) Ethyl Acetate	7.076	43	20175	43.264	ug/l	99
38) Carbon Tetrachloride	7.905	117	51018	54.451	ug/l	90
39) Methylcyclohexane	9.185	83	43876	48.887	ug/l	99
40) Benzene	8.161	78	124997	52.456	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	10855m	46.111	ug/l	
42) 1,2-Dichloroethane	8.240	62	41078	55.746	ug/l	100
43) Isopropyl Acetate	8.271	43	40144	47.475	ug/l	97
44) Trichloroethene	8.941	130	33147	49.668	ug/l	99
45) 1,2-Dichloropropane	9.216	63	33479	54.284	ug/l	99
46) Dibromomethane	9.307	93	18578	53.813	ug/l	99
47) Bromodichloromethane	9.496	83	48879	54.804	ug/l	97
48) Methyl methacrylate	9.295	41	23497	63.040	ug/l	100
49) 1,4-Dioxane	9.295	88	5826	1218.154	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	133402	286.315	ug/l	100
52) Toluene	10.246	92	75240	49.668	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	43520	48.851	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	49678	49.631	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	29337	57.494	ug/l	99
56) Ethyl methacrylate	10.508	69	24909	37.816	ug/l	97
57) 1,3-Dichloropropane	10.795	76	46660	54.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	74215	242.980	ug/l	99
59) 2-Hexanone	10.831	43	85088	255.597	ug/l	99
60) Dibromochloromethane	10.984	129	34655	54.225	ug/l	100
61) 1,2-Dibromoethane	11.093	107	24748	53.536	ug/l	99
64) Tetrachloroethene	10.721	164	34585	54.777	ug/l	97
65) Chlorobenzene	11.520	112	76829	47.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35530	56.958	ug/l	99
67) Ethyl Benzene	11.593	91	139037	49.073	ug/l	100
68) m/p-Xylenes	11.703	106	106944	98.563	ug/l	98
69) o-Xylene	12.032	106	51668	49.958	ug/l	100
70) Styrene	12.044	104	81867	46.379	ug/l	99
71) Bromoform	12.209	173	21349	55.486	ug/l	98
73) Isopropylbenzene	12.331	105	141988	61.077	ug/l	99
74) N-amyl acetate	12.148	43	18675	33.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	31946	70.561	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26238m	72.277	ug/l	
77) Bromobenzene	12.611	156	30431	56.064	ug/l	97
78) n-propylbenzene	12.672	91	156446	56.156	ug/l	98
79) 2-Chlorotoluene	12.758	91	87836	55.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	111962	56.979	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9196	57.483	ug/l	97
82) 4-Chlorotoluene	12.855	91	84545	51.266	ug/l	100
83) tert-Butylbenzene	13.075	119	107170	62.636	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	106745	55.173	ug/l	98
85) sec-Butylbenzene	13.258	105	144820	56.834	ug/l	100
86) p-Isopropyltoluene	13.373	119	115070	54.258	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	52353	47.929	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	49994	46.051	ug/l	99
89) n-Butylbenzene	13.697	91	87315	45.290	ug/l	98
90) Hexachloroethane	13.965	117	23664	56.153	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	48326	49.164	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4338	54.957	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	15671	27.335	ug/l	97
94) Hexachlorobutadiene	15.111	225	13322	36.573	ug/l	99
95) Naphthalene	15.239	128	33888	30.519	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	13279	26.815	ug/l	98

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

