

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\
 Data File : VY017351.D
 Acq On : 12 Feb 2024 13:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/13/2024
 Supervised By :Mahesh Dadoda 02/13/2024

Quant Time: Feb 12 15:04:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	114996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	194003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	170768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	43547	42.390	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.780%		
35) Dibromofluoromethane	7.728	113	43607	41.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.260%		
50) Toluene-d8	10.185	98	157923	41.408	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.820%		
62) 4-Bromofluorobenzene	12.483	95	54496	43.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35072	40.231	ug/l	95
3) Chloromethane	2.119	50	75479	48.197	ug/l	99
4) Vinyl Chloride	2.253	62	96327	50.474	ug/l	99
5) Bromomethane	2.656	94	65341	49.393	ug/l	97
6) Chloroethane	2.802	64	63596	51.610	ug/l	99
7) Trichlorofluoromethane	3.131	101	97165	49.513	ug/l	97
8) Diethyl Ether	3.539	74	32615	52.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	58525	49.197	ug/l	99
10) Methyl Iodide	4.106	142	63212	50.544	ug/l	99
11) Tert butyl alcohol	4.972	59	24716	288.379	ug/l	98
12) 1,1-Dichloroethene	3.881	96	54888	49.241	ug/l	97
13) Acrolein	3.741	56	19701	230.534	ug/l	99
14) Allyl chloride	4.491	41	86431	51.290	ug/l	98
15) Acrylonitrile	5.173	53	77782	279.865	ug/l	100
16) Acetone	3.960	43	76530	253.462	ug/l	97
17) Carbon Disulfide	4.204	76	154059	43.297	ug/l	99
18) Methyl Acetate	4.491	43	42989	63.822	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	151536	56.447	ug/l	99
20) Methylene Chloride	4.728	84	66328	53.910	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	63294	49.914	ug/l	97
22) Diisopropyl ether	6.130	45	200821	54.267	ug/l	98
23) Vinyl Acetate	6.070	43	611551	272.737	ug/l	98
24) 1,1-Dichloroethane	6.027	63	117697	51.918	ug/l	99
25) 2-Butanone	6.996	43	108773	270.990	ug/l	99
26) 2,2-Dichloropropane	6.990	77	99774	52.913	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	74768	52.718	ug/l	99
28) Bromochloromethane	7.344	49	45332	52.225	ug/l	99
29) Tetrahydrofuran	7.362	42	65750	289.975	ug/l	100
30) Chloroform	7.514	83	120369	52.782	ug/l	97
31) Cyclohexane	7.795	56	95530	46.135	ug/l	97
32) 1,1,1-Trichloroethane	7.709	97	102808	52.410	ug/l	99
36) 1,1-Dichloropropene	7.929	75	91025	50.377	ug/l	99
37) Ethyl Acetate	7.082	43	44393	52.973	ug/l	99
38) Carbon Tetrachloride	7.911	117	90074	52.066	ug/l	99
39) Methylcyclohexane	9.191	83	103610	49.084	ug/l	97
40) Benzene	8.167	78	268444	52.026	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	24098m	60.691	ug/l	
42) 1,2-Dichloroethane	8.246	62	72865	53.336	ug/l	100
43) Isopropyl Acetate	8.283	43	84828	57.181	ug/l	99
44) Trichloroethene	8.947	130	68510	52.306	ug/l	97
45) 1,2-Dichloropropane	9.221	63	67520	53.274	ug/l	98
46) Dibromomethane	9.313	93	37139	54.247	ug/l	99
47) Bromodichloromethane	9.502	83	93365	54.493	ug/l	99
48) Methyl methacrylate	9.301	41	38654	55.550	ug/l	96
49) 1,4-Dioxane	9.307	88	9038	1212.870	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	236865	297.858	ug/l	100
52) Toluene	10.252	92	166000	53.299	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	90043	55.949	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	105159	54.553	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	51958	55.781	ug/l	99
56) Ethyl methacrylate	10.514	69	68225	54.172	ug/l	100
57) 1,3-Dichloropropane	10.794	76	89464	55.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	153428	264.398	ug/l	98
59) 2-Hexanone	10.837	43	169872	295.413	ug/l	99
60) Dibromochloromethane	10.989	129	60728	55.574	ug/l	98
61) 1,2-Dibromoethane	11.093	107	47702	55.064	ug/l	99
64) Tetrachloroethene	10.727	164	56113	50.595	ug/l	97
65) Chlorobenzene	11.520	112	171961	52.201	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	64533	53.905	ug/l	99
67) Ethyl Benzene	11.599	91	321825	54.055	ug/l	100
68) m/p-Xylenes	11.709	106	240552	106.468	ug/l	99
69) o-Xylene	12.032	106	114215	54.894	ug/l	99
70) Styrene	12.050	104	192079	56.029	ug/l	99
71) Bromoform	12.209	173	34751	55.428	ug/l #	98
73) Isopropylbenzene	12.331	105	303045	51.837	ug/l	100
74) N-amyl acetate	12.148	43	74147	56.447	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	60810	52.886	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	40707m	55.422	ug/l	
77) Bromobenzene	12.611	156	66356	51.172	ug/l	98
78) n-propylbenzene	12.672	91	376211	52.397	ug/l	100
79) 2-Chlorotoluene	12.757	91	207054	52.454	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	245971	52.903	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	19829	56.096	ug/l	95
82) 4-Chlorotoluene	12.855	91	211908	52.160	ug/l	99
83) tert-Butylbenzene	13.080	119	217566	54.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	242297	52.796	ug/l	99
85) sec-Butylbenzene	13.257	105	329727	52.934	ug/l	99
86) p-Isopropyltoluene	13.373	119	264382	53.114	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	133636	51.659	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	130242	51.823	ug/l	99
89) n-Butylbenzene	13.696	91	258083	54.532	ug/l	100
90) Hexachloroethane	13.964	117	52609	51.483	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	115897	52.627	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8268	55.204	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	60117	54.958	ug/l	100
94) Hexachlorobutadiene	15.111	225	33120	51.409	ug/l	99
95) Naphthalene	15.239	128	118467	53.206	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	50759	54.560	ug/l	97

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

