

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019325.D
 Acq On : 28 Aug 2024 12:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/29/2024
 Supervised By :Mahesh Dadoda 08/29/2024

Quant Time: Aug 29 01:30:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	89608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	136315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	122115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	39288	43.738	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	87.480%	
35) Dibromofluoromethane	7.622	113	44618	50.059	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	100.120%	
50) Toluene-d8	10.103	98	152602	47.576	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	95.160%	
62) 4-Bromofluorobenzene	12.408	95	53888	49.283	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	98.560%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	30387	46.220	ug/l	94
3) Chloromethane	2.062	50	47159	39.796	ug/l	98
4) Vinyl Chloride	2.196	62	59638	40.743	ug/l	100
5) Bromomethane	2.586	94	47801	53.951	ug/l	98
6) Chloroethane	2.726	64	42948	45.756	ug/l	99
7) Trichlorofluoromethane	3.043	101	92045	41.592	ug/l	98
8) Diethyl Ether	3.440	74	22258	46.596	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	45830	46.583	ug/l	97
10) Methyl Iodide	3.994	142	49620	51.455	ug/l	98
11) Tert butyl alcohol	4.842	59	14748	181.290	ug/l #	79
12) 1,1-Dichloroethene	3.781	96	41538	46.471	ug/l	100
13) Acrolein	3.635	56	9616	133.343	ug/l	97
14) Allyl chloride	4.366	41	54229	45.632	ug/l	93
15) Acrylonitrile	5.037	53	49147	251.452	ug/l	98
16) Acetone	3.854	43	48506	291.182	ug/l	91
17) Carbon Disulfide	4.092	76	109271	43.342	ug/l	98
18) Methyl Acetate	4.379	43	24445	47.813	ug/l	97
19) Methyl tert-butyl Ether	5.104	73	105955	48.894	ug/l	97
20) Methylene Chloride	4.598	84	48346	45.891	ug/l	98
21) trans-1,2-Dichloroethene	5.098	96	46873	46.938	ug/l	92
22) Diisopropyl ether	6.006	45	126297	46.423	ug/l	94
23) Vinyl Acetate	5.945	43	515794	239.471	ug/l	98
24) 1,1-Dichloroethane	5.903	63	80738	48.528	ug/l	97
25) 2-Butanone	6.878	43	68829	256.559	ug/l	98
26) 2,2-Dichloropropane	6.872	77	69272	51.416	ug/l	99
27) cis-1,2-Dichloroethene	6.872	96	58073	49.415	ug/l	97
28) Bromochloromethane	7.232	49	33838	48.485	ug/l	99
29) Tetrahydrofuran	7.250	42	40029	232.112	ug/l	94
30) Chloroform	7.409	83	89915	48.501	ug/l	96
31) Cyclohexane	7.689	56	60470	46.788	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	80582	49.460	ug/l	99
36) 1,1-Dichloropropene	7.829	75	60414	49.361	ug/l	99
37) Ethyl Acetate	6.970	43	28448	52.462	ug/l	98
38) Carbon Tetrachloride	7.811	117	73526	51.837	ug/l	98
39) Methylcyclohexane	9.103	83	77533	49.364	ug/l	94
40) Benzene	8.073	78	189357	50.445	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	15912m	53.762	ug/l	
42) 1,2-Dichloroethane	8.152	62	48903	48.244	ug/l	100
43) Isopropyl Acetate	8.189	43	52823	48.167	ug/l #	85
44) Trichloroethene	8.859	130	54857	52.375	ug/l	99
45) 1,2-Dichloropropane	9.134	63	44211	52.863	ug/l	90
46) Dibromomethane	9.225	93	28810	53.112	ug/l	99
47) Bromodichloromethane	9.420	83	68886	51.762	ug/l	99
48) Methyl methacrylate	9.213	41	24927	51.002	ug/l	91
49) 1,4-Dioxane	9.225	88	6760	1028.766	ug/l #	97
51) 4-Methyl-2-Pentanone	9.993	43	152636	262.233	ug/l	94
52) Toluene	10.170	92	126851	51.481	ug/l	95
53) t-1,3-Dichloropropene	10.390	75	59383	53.790	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	69008	51.977	ug/l #	91
55) 1,1,2-Trichloroethane	10.573	97	36826	52.736	ug/l	94
56) Ethyl methacrylate	10.438	69	48890	53.489	ug/l #	91
57) 1,3-Dichloropropane	10.719	76	59377	52.160	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	122776	283.148	ug/l	96
59) 2-Hexanone	10.762	43	110024	275.137	ug/l	93
60) Dibromochloromethane	10.914	129	50890	53.506	ug/l	98
61) 1,2-Dibromoethane	11.012	107	36777	54.489	ug/l	96
64) Tetrachloroethene	10.646	164	58338	54.655	ug/l	95
65) Chlorobenzene	11.444	112	143729	51.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	51566	52.148	ug/l	96
67) Ethyl Benzene	11.518	91	244595	50.118	ug/l	98
68) m/p-Xylenes	11.627	106	197182	101.824	ug/l	98
69) o-Xylene	11.956	106	93094	51.912	ug/l	97
70) Styrene	11.969	104	155914	50.984	ug/l	99
71) Bromoform	12.133	173	29697	52.537	ug/l #	97
73) Isopropylbenzene	12.255	105	240273	49.684	ug/l	99
74) N-amyl acetate	12.072	43	51884	49.201	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	41757	48.501	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	31016m	49.846	ug/l	
77) Bromobenzene	12.536	156	58754	50.589	ug/l	95
78) n-propylbenzene	12.597	91	290242	50.205	ug/l	98
79) 2-Chlorotoluene	12.682	91	160863	49.632	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	196811	49.956	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12824	50.898	ug/l	92
82) 4-Chlorotoluene	12.779	91	167786	49.758	ug/l	97
83) tert-Butylbenzene	12.999	119	182178	50.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	197020	50.177	ug/l	99
85) sec-Butylbenzene	13.176	105	269182	50.772	ug/l	98
86) p-Isopropyltoluene	13.292	119	227496	52.239	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	118195	51.604	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	116387	51.119	ug/l	99
89) n-Butylbenzene	13.621	91	206598	52.034	ug/l	98
90) Hexachloroethane	13.883	117	44086	51.360	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	104625	51.937	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6043	47.712	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	62318	54.856	ug/l	100
94) Hexachlorobutadiene	15.023	225	35065	59.259	ug/l	99
95) Naphthalene	15.145	128	113981	56.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	55611	58.040	ug/l	98

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

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