

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022024\
 Data File : VY017424.D
 Acq On : 20 Feb 2024 16:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

Quant Time: Feb 21 04:31:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	152280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	242262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	208288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	95297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	66753	51.313	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.728	113	74515	52.545	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.100%			
50) Toluene-d8	10.191	98	290289	52.781	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.560%			
62) 4-Bromofluorobenzene	12.495	95	86338	47.169	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	53804	44.309	ug/l	99
3) Chloromethane	2.119	50	109247	44.083	ug/l	96
4) Vinyl Chloride	2.253	62	155033	48.049	ug/l	99
5) Bromomethane	2.656	94	120929	51.075	ug/l	97
6) Chloroethane	2.802	64	101383	49.325	ug/l	98
7) Trichlorofluoromethane	3.131	101	125313	45.286	ug/l	99
8) Diethyl Ether	3.534	74	34677	44.338	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	72085	45.069	ug/l	99
10) Methyl Iodide	4.101	142	87660	51.500	ug/l	99
11) Tert butyl alcohol	4.960	59	18445	182.351	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	69508	46.236	ug/l	99
13) Acrolein	3.729	56	30937	228.553	ug/l	98
14) Allyl chloride	4.491	41	84492	46.369	ug/l	98
15) Acrylonitrile	5.174	53	66057	212.440	ug/l	99
16) Acetone	3.954	43	62440	221.624	ug/l	90
17) Carbon Disulfide	4.204	76	217760	45.594	ug/l	98
18) Methyl Acetate	4.485	43	28140	44.046	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	151803	44.703	ug/l	97
20) Methylene Chloride	4.729	84	73981	41.737	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	80289	46.175	ug/l	96
22) Diisopropyl ether	6.131	45	194721	46.462	ug/l	98
23) Vinyl Acetate	6.070	43	565913	227.210	ug/l	99
24) 1,1-Dichloroethane	6.033	63	131291	46.207	ug/l	99
25) 2-Butanone	6.996	43	84468	213.586	ug/l	96
26) 2,2-Dichloropropane	6.996	77	116637	47.707	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	89571	46.380	ug/l	98
28) Bromochloromethane	7.350	49	45057	42.264	ug/l	98
29) Tetrahydrofuran	7.362	42	49695	213.757	ug/l	99
30) Chloroform	7.521	83	136748	45.592	ug/l	97
31) Cyclohexane	7.801	56	115452	44.830	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	121882	46.006	ug/l	97
36) 1,1-Dichloropropene	7.929	75	110900	46.824	ug/l	99
37) Ethyl Acetate	7.088	43	36346	42.145	ug/l	99
38) Carbon Tetrachloride	7.911	117	110729	46.957	ug/l	98
39) Methylcyclohexane	9.197	83	138016	47.606	ug/l	97
40) Benzene	8.173	78	319360	46.151	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	17888	42.472	ug/l	95
42) 1,2-Dichloroethane	8.246	62	75458	44.924	ug/l	100
43) Isopropyl Acetate	8.283	43	68414	43.898	ug/l	100
44) Trichloroethene	8.953	130	85497	45.582	ug/l	95
45) 1,2-Dichloropropane	9.228	63	73218	45.773	ug/l	100
46) Dibromomethane	9.319	93	39548	43.499	ug/l	99
47) Bromodichloromethane	9.508	83	102138	45.691	ug/l	96
48) Methyl methacrylate	9.307	41	32716	44.742	ug/l	98
49) 1,4-Dioxane	9.307	88	8256	868.215	ug/l #	93
51) 4-Methyl-2-Pentanone	10.081	43	183008	217.932	ug/l	99
52) Toluene	10.258	92	201761	46.704	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	94503	45.657	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	114604	45.129	ug/l	98
55) 1,1,2-Trichloroethane	10.660	97	55386	44.275	ug/l	98
56) Ethyl methacrylate	10.520	69	63937	41.210	ug/l	97
57) 1,3-Dichloropropane	10.801	76	91702	44.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	198545	265.631	ug/l	99
59) 2-Hexanone	10.843	43	127919	221.157	ug/l	99
60) Dibromochloromethane	10.996	129	66860	44.962	ug/l	98
61) 1,2-Dibromoethane	11.099	107	50880	43.475	ug/l	99
64) Tetrachloroethene	10.734	164	74262	44.550	ug/l	99
65) Chlorobenzene	11.532	112	205251	45.742	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.605	131	75073	44.928	ug/l	99
67) Ethyl Benzene	11.605	91	381008	47.476	ug/l	97
68) m/p-Xylenes	11.715	106	299498	94.934	ug/l	99
69) o-Xylene	12.044	106	137756	47.597	ug/l	99
70) Styrene	12.057	104	226292	47.604	ug/l	99
71) Bromoform	12.221	173	38648	44.455	ug/l #	95
73) Isopropylbenzene	12.343	105	364914	49.573	ug/l	99
74) N-amyl acetate	12.154	43	59358	46.311	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	58156	44.204	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	41466m	44.877	ug/l	
77) Bromobenzene	12.623	156	79635	46.128	ug/l	99
78) n-propylbenzene	12.684	91	440815	49.509	ug/l	99
79) 2-Chlorotoluene	12.770	91	233591	47.646	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	287741	48.870	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	18149	45.796	ug/l	99
82) 4-Chlorotoluene	12.867	91	242340	47.902	ug/l	100
83) tert-Butylbenzene	13.087	119	256254	49.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	283927	48.676	ug/l	100
85) sec-Butylbenzene	13.264	105	387147	49.026	ug/l	100
86) p-Isopropyltoluene	13.379	119	317548	48.822	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	159469	45.739	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	154180	45.800	ug/l	98
89) n-Butylbenzene	13.709	91	289425	48.927	ug/l	99
90) Hexachloroethane	13.971	117	59719	46.858	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	133734	45.571	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6822	41.024	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	66630	43.423	ug/l	99
94) Hexachlorobutadiene	15.123	225	40296	43.179	ug/l	98
95) Naphthalene	15.245	128	108864	39.034	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	53818	41.719	ug/l	99

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

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