

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062524\
 Data File : VY018696.D
 Acq On : 25 Jun 2024 18:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 26 02:40:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	135129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	222692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	201379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	101269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	68492	50.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.680%	
35) Dibromofluoromethane	7.704	113	75360	55.475	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.940%	
50) Toluene-d8	10.173	98	276403	52.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.820%	
62) 4-Bromofluorobenzene	12.477	95	89378	54.180	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	44645	50.163	ug/l	99
3) Chloromethane	2.101	50	78528	42.841	ug/l	99
4) Vinyl Chloride	2.235	62	101484	44.707	ug/l	99
5) Bromomethane	2.637	94	71609	42.441	ug/l	97
6) Chloroethane	2.778	64	66671	44.835	ug/l	98
7) Trichlorofluoromethane	3.107	101	126665	51.817	ug/l	94
8) Diethyl Ether	3.515	74	34522	49.530	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.881	101	69821	54.667	ug/l	99
10) Methyl Iodide	4.076	142	79079	51.191	ug/l	98
11) Tert butyl alcohol	4.942	59	24740	101.098	ug/l #	91
12) 1,1-Dichloroethene	3.851	96	64537	50.281	ug/l	98
13) Acrolein	3.710	56	14877	189.097	ug/l	99
14) Allyl chloride	4.460	41	80299	46.406	ug/l	99
15) Acrylonitrile	5.143	53	76164	245.641	ug/l	99
16) Acetone	3.930	43	55407	200.177	ug/l	90
17) Carbon Disulfide	4.174	76	170488	44.073	ug/l	99
18) Methyl Acetate	4.460	43	38391	54.683	ug/l	99
19) Methyl tert-butyl Ether	5.204	73	167740	48.992	ug/l	97
20) Methylene Chloride	4.692	84	78511	45.158	ug/l	98
21) trans-1,2-Dichloroethene	5.192	96	71581	48.991	ug/l	99
22) Diisopropyl ether	6.106	45	191920	49.130	ug/l	96
23) Vinyl Acetate	6.039	43	752869	208.039	ug/l	99
24) 1,1-Dichloroethane	5.997	63	122415	48.642	ug/l	98
25) 2-Butanone	6.972	43	92487	222.917	ug/l	97
26) 2,2-Dichloropropane	6.960	77	91923	43.353	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	87003	49.298	ug/l	100
28) Bromochloromethane	7.320	49	51073	49.513	ug/l	94
29) Tetrahydrofuran	7.338	42	62729	246.370	ug/l	98
30) Chloroform	7.490	83	137746	50.223	ug/l	100
31) Cyclohexane	7.771	56	95420	45.787	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	117548	50.449	ug/l	99
36) 1,1-Dichloropropene	7.905	75	94563	50.572	ug/l	99
37) Ethyl Acetate	7.057	43	43843	49.739	ug/l	98
38) Carbon Tetrachloride	7.886	117	106523	54.300	ug/l	97
39) Methylcyclohexane	9.173	83	122913	53.647	ug/l	99
40) Benzene	8.149	78	295751	51.142	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	21811m	49.198	ug/l	
42) 1,2-Dichloroethane	8.228	62	75226	49.862	ug/l	100
43) Isopropyl Acetate	8.264	43	81752	49.691	ug/l	97
44) Trichloroethene	8.929	130	81087	53.557	ug/l	96
45) 1,2-Dichloropropane	9.209	63	65620	49.625	ug/l	100
46) Dibromomethane	9.295	93	43939	53.553	ug/l	98
47) Bromodichloromethane	9.490	83	104340	53.282	ug/l	97
48) Methyl methacrylate	9.283	41	38339	51.763	ug/l	96
49) 1,4-Dioxane	9.289	88	10764	997.523	ug/l #	95
51) 4-Methyl-2-Pentanone	10.063	43	223821	258.275	ug/l	98
52) Toluene	10.240	92	196589	52.949	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	91455	53.442	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	107832	52.215	ug/l	97
55) 1,1,2-Trichloroethane	10.636	97	58324	53.445	ug/l	96
56) Ethyl methacrylate	10.502	69	76172	53.340	ug/l	95
57) 1,3-Dichloropropane	10.782	76	95271	52.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	174653	253.343	ug/l	94
59) 2-Hexanone	10.825	43	150067	247.218	ug/l	100
60) Dibromochloromethane	10.977	129	77682	57.303	ug/l	98
61) 1,2-Dibromoethane	11.081	107	57080	56.596	ug/l	100
64) Tetrachloroethene	10.715	164	81937	57.046	ug/l	96
65) Chlorobenzene	11.508	112	221110	53.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.581	131	76493	54.870	ug/l	99
67) Ethyl Benzene	11.587	91	370836	51.375	ug/l	94
68) m/p-Xylenes	11.697	106	291051	103.623	ug/l	98
69) o-Xylene	12.026	106	141672	52.452	ug/l	96
70) Styrene	12.038	104	231171	51.808	ug/l	99
71) Bromoform	12.203	173	45349	59.283	ug/l #	96
73) Isopropylbenzene	12.325	105	353060	47.743	ug/l	97
74) N-amyl acetate	12.142	43	66183	43.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	64385	49.035	ug/l	92
76) 1,2,3-Trichloropropane	12.630	75	45546m	47.946	ug/l	
77) Bromobenzene	12.605	156	90319	52.813	ug/l	89
78) n-propylbenzene	12.666	91	398382	46.033	ug/l	95
79) 2-Chlorotoluene	12.751	91	225744	46.209	ug/l	95
80) 1,3,5-Trimethylbenzene	12.806	105	278987	47.602	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	17793	49.062	ug/l	95
82) 4-Chlorotoluene	12.849	91	225150	45.767	ug/l	92
83) tert-Butylbenzene	13.069	119	271641	50.078	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	278778	47.590	ug/l	99
85) sec-Butylbenzene	13.251	105	368299	47.606	ug/l	95
86) p-Isopropyltoluene	13.367	119	317993	48.484	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	172976	50.146	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	169929	50.202	ug/l	99
89) n-Butylbenzene	13.690	91	270441	45.747	ug/l	96
90) Hexachloroethane	13.959	117	59146	49.641	ug/l	86
91) 1,2-Dichlorobenzene	13.733	146	152778	51.848	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9636	50.681	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	96257	58.634	ug/l	99
94) Hexachlorobutadiene	15.111	225	49789	59.027	ug/l	100
95) Naphthalene	15.233	128	194976	63.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	85450	61.604	ug/l	98

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

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