

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018824.D
 Acq On : 16 Jul 2024 10:32
 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 07/17/2024
 Supervised By :Mahesh Dadoda 07/17/2024

Quant Time: Jul 17 01:50:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.771	168	105856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	160085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	143308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75033	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	50338	48.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.660%
35) Dibromofluoromethane	7.703	113	50800	50.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.173	98	182344	48.003	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.000%
62) 4-Bromofluorobenzene	12.477	95	62325	48.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.080%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	43650	49.211	ug/l	98
3) Chloromethane	2.101	50	68324	50.689	ug/l	99
4) Vinyl Chloride	2.235	62	78044	49.496	ug/l	99
5) Bromomethane	2.625	94	51425	47.414	ug/l	97
6) Chloroethane	2.771	64	48290	47.140	ug/l	98
7) Trichlorofluoromethane	3.095	101	109801	53.290	ug/l	99
8) Diethyl Ether	3.503	74	26690	53.147	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.869	101	53448	50.558	ug/l	97
10) Methyl Iodide	4.064	142	61360	53.901	ug/l	91
11) Tert butyl alcohol	4.942	59	18528	175.589	ug/l #	79
12) 1,1-Dichloroethene	3.844	96	51028	49.895	ug/l	96
13) Acrolein	3.704	56	15156	179.275	ug/l	100
14) Allyl chloride	4.454	41	62570	49.385	ug/l	90
15) Acrylonitrile	5.143	53	54315	274.159	ug/l	98
16) Acetone	3.930	43	55763	290.372	ug/l #	85
17) Carbon Disulfide	4.168	76	139415	48.684	ug/l	97
18) Methyl Acetate	4.460	43	29140	52.223	ug/l	100
19) Methyl tert-butyl Ether	5.198	73	128703	54.249	ug/l	94
20) Methylene Chloride	4.686	84	59489	55.217	ug/l	96
21) trans-1,2-Dichloroethene	5.192	96	55826	51.720	ug/l	99
22) Diisopropyl ether	6.100	45	141906	51.490	ug/l #	86
23) Vinyl Acetate	6.039	43	574440	264.563	ug/l	99
24) 1,1-Dichloroethane	5.996	63	89884	51.080	ug/l	98
25) 2-Butanone	6.972	43	74825	277.967	ug/l	95
26) 2,2-Dichloropropane	6.960	77	78702	48.204	ug/l	99
27) cis-1,2-Dichloroethene	6.966	96	65410	52.049	ug/l	100
28) Bromochloromethane	7.319	49	37372	52.878	ug/l	99
29) Tetrahydrofuran	7.332	42	43176	261.629	ug/l	97
30) Chloroform	7.490	83	103456	52.753	ug/l	97
31) Cyclohexane	7.771	56	75705	47.307	ug/l	97
32) 1,1,1-Trichloroethane	7.685	97	95963	52.622	ug/l	99
36) 1,1-Dichloropropene	7.905	75	69958	50.559	ug/l	100
37) Ethyl Acetate	7.063	43	31259	54.350	ug/l	98
38) Carbon Tetrachloride	7.886	117	87754	52.656	ug/l	97
39) Methylcyclohexane	9.173	83	92675	52.264	ug/l	96
40) Benzene	8.149	78	211588	52.713	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18666m	56.925	ug/l	
42) 1,2-Dichloroethane	8.222	62	60275	53.634	ug/l	97
43) Isopropyl Acetate	8.264	43	62018	54.191	ug/l #	83
44) Trichloroethene	8.929	130	60337	52.587	ug/l	97
45) 1,2-Dichloropropane	9.209	63	46471	53.166	ug/l	97
46) Dibromomethane	9.295	93	32305	57.019	ug/l	97
47) Bromodichloromethane	9.490	83	78143	55.210	ug/l	96
48) Methyl methacrylate	9.282	41	29276	56.281	ug/l #	87
49) 1,4-Dioxane	9.289	88	7015	1056.247	ug/l #	95
51) 4-Methyl-2-Pentanone	10.063	43	160114	274.028	ug/l	94
52) Toluene	10.233	92	140970	52.840	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	68634	56.163	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	78277	54.600	ug/l #	87
55) 1,1,2-Trichloroethane	10.636	97	39302	54.780	ug/l	96
56) Ethyl methacrylate	10.502	69	52240	55.306	ug/l #	84
57) 1,3-Dichloropropane	10.782	76	66791	56.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	128739	285.281	ug/l	93
59) 2-Hexanone	10.825	43	117855	288.314	ug/l	91
60) Dibromochloromethane	10.977	129	56734	57.553	ug/l	97
61) 1,2-Dibromoethane	11.081	107	39877	57.172	ug/l	97
64) Tetrachloroethene	10.715	164	57854	49.875	ug/l	99
65) Chlorobenzene	11.514	112	160131	52.969	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	55850	53.620	ug/l	97
67) Ethyl Benzene	11.587	91	278050	52.503	ug/l	98
68) m/p-Xylenes	11.697	106	216473	104.163	ug/l	98
69) o-Xylene	12.026	106	104571	53.521	ug/l	98
70) Styrene	12.038	104	175527	53.841	ug/l	97
71) Bromoform	12.203	173	33024	58.167	ug/l #	98
73) Isopropylbenzene	12.325	105	269414	49.061	ug/l	98
74) N-amyl acetate	12.142	43	58302	51.914	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.575	83	44325	51.202	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	34045m	57.932	ug/l	
77) Bromobenzene	12.605	156	67127	51.204	ug/l	92
78) n-propylbenzene	12.666	91	321254	49.263	ug/l	98
79) 2-Chlorotoluene	12.751	91	180496	49.224	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	225715	50.235	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	13765	52.422	ug/l	93
82) 4-Chlorotoluene	12.849	91	186293	49.339	ug/l	97
83) tert-Butylbenzene	13.068	119	204489	49.296	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	224690	50.323	ug/l	99
85) sec-Butylbenzene	13.251	105	295360	50.163	ug/l	96
86) p-Isopropyltoluene	13.367	119	258116	50.779	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	131062	50.902	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	128664	50.418	ug/l	98
89) n-Butylbenzene	13.690	91	230335	49.982	ug/l	98
90) Hexachloroethane	13.958	117	48557	51.365	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	115233	51.810	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6884	49.075	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	75317	55.473	ug/l	96
94) Hexachlorobutadiene	15.111	225	42044	53.725	ug/l	99
95) Naphthalene	15.233	128	132571	56.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	64285	55.338	ug/l	97

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

