

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071024\
 Data File : VY018758.D
 Acq On : 10 Jul 2024 10:06
 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 :Mahesh Dadoda 07/11/2024
 Supervised By :Semsettin Yesilyurt 07/11/2024

Quant Time: Jul 11 02:18:04 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	7.783	168	118062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	184308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	159255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	80433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	59373	51.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.220%			
35) Dibromofluoromethane	7.704	113	60918	52.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.540%			
50) Toluene-d8	10.173	98	219847	50.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.477	95	76906	51.493	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	52523	53.092	ug/l	96
3) Chloromethane	2.107	50	73641	48.985	ug/l	97
4) Vinyl Chloride	2.241	62	93279	53.042	ug/l	99
5) Bromomethane	2.638	94	61561	50.891	ug/l	94
6) Chloroethane	2.778	64	60940	53.338	ug/l	97
7) Trichlorofluoromethane	3.107	101	119939	52.192	ug/l	97
8) Diethyl Ether	3.515	74	31306	55.894	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.881	101	61986	52.573	ug/l	96
10) Methyl Iodide	4.070	142	72683	57.246	ug/l	92
11) Tert butyl alcohol	4.942	59	21513	182.799	ug/l #	79
12) 1,1-Dichloroethene	3.857	96	59866	52.485	ug/l	97
13) Acrolein	3.717	56	20093	213.100	ug/l	95
14) Allyl chloride	4.460	41	76515	54.147	ug/l	90
15) Acrylonitrile	5.143	53	60047	271.756	ug/l	98
16) Acetone	3.930	43	63846	298.091	ug/l	90
17) Carbon Disulfide	4.174	76	173579	54.347	ug/l	99
18) Methyl Acetate	4.460	43	33469	53.779	ug/l	97
19) Methyl tert-butyl Ether	5.198	73	146375	55.319	ug/l	96
20) Methylene Chloride	4.698	84	63709	52.801	ug/l	99
21) trans-1,2-Dichloroethene	5.198	96	63394	52.659	ug/l	97
22) Diisopropyl ether	6.106	45	166167	54.059	ug/l	96
23) Vinyl Acetate	6.039	43	663180	273.856	ug/l	97
24) 1,1-Dichloroethane	5.997	63	103281	52.626	ug/l	97
25) 2-Butanone	6.972	43	84130	280.223	ug/l	98
26) 2,2-Dichloropropane	6.966	77	94542	51.919	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	73581	52.498	ug/l	97
28) Bromochloromethane	7.320	49	37544	47.630	ug/l	99
29) Tetrahydrofuran	7.332	42	50674	275.317	ug/l	96
30) Chloroform	7.496	83	116915	53.453	ug/l	93
31) Cyclohexane	7.777	56	86316	48.361	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	109767	53.968	ug/l	99
36) 1,1-Dichloropropene	7.905	75	82805	51.979	ug/l	99
37) Ethyl Acetate	7.057	43	36666	55.373	ug/l	95
38) Carbon Tetrachloride	7.893	117	101180	52.733	ug/l	96
39) Methylcyclohexane	9.179	83	106475	52.155	ug/l	98
40) Benzene	8.149	78	242503	52.475	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	18760	49.693	ug/l	94
42) 1,2-Dichloroethane	8.228	62	68591	53.012	ug/l	97
43) Isopropyl Acetate	8.265	43	72519	55.039	ug/l	92
44) Trichloroethene	8.929	130	70721	53.537	ug/l	100
45) 1,2-Dichloropropane	9.210	63	53205	52.870	ug/l	96
46) Dibromomethane	9.301	93	36042	55.254	ug/l	98
47) Bromodichloromethane	9.490	83	90328	55.431	ug/l	98
48) Methyl methacrylate	9.289	41	33343	55.675	ug/l #	85
49) 1,4-Dioxane	9.295	88	8131	1063.379	ug/l #	99
51) 4-Methyl-2-Pentanone	10.063	43	187050	278.054	ug/l	94
52) Toluene	10.240	92	162891	53.032	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	77797	55.294	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	91924	55.692	ug/l #	91
55) 1,1,2-Trichloroethane	10.636	97	46416	56.193	ug/l	99
56) Ethyl methacrylate	10.502	69	60265	55.416	ug/l #	84
57) 1,3-Dichloropropane	10.782	76	75306	54.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	123441	237.590	ug/l	93
59) 2-Hexanone	10.825	43	133561	283.794	ug/l	92
60) Dibromochloromethane	10.977	129	62067	54.688	ug/l	98
61) 1,2-Dibromoethane	11.081	107	42937	53.469	ug/l	98
64) Tetrachloroethene	10.715	164	69548	53.953	ug/l	99
65) Chlorobenzene	11.514	112	178613	53.167	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	61685	53.292	ug/l	97
67) Ethyl Benzene	11.587	91	311157	52.871	ug/l	97
68) m/p-Xylenes	11.697	106	242778	105.122	ug/l	95
69) o-Xylene	12.026	106	116065	53.455	ug/l	98
70) Styrene	12.038	104	195403	53.936	ug/l	96
71) Bromoform	12.203	173	36209	57.391	ug/l #	99
73) Isopropylbenzene	12.325	105	306595	52.083	ug/l	98
74) N-amyl acetate	12.142	43	65707	54.580	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	48564	52.332	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	41651m	66.116	ug/l	
77) Bromobenzene	12.605	156	72508	51.596	ug/l	95
78) n-propylbenzene	12.666	91	360752	51.606	ug/l	98
79) 2-Chlorotoluene	12.752	91	198919	50.607	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	247874	51.463	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	15673	55.681	ug/l	88
82) 4-Chlorotoluene	12.849	91	206397	50.993	ug/l	97
83) tert-Butylbenzene	13.069	119	229444	51.598	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	247536	51.718	ug/l	100
85) sec-Butylbenzene	13.251	105	329115	52.143	ug/l	97
86) p-Isopropyltoluene	13.367	119	278885	51.181	ug/l	95
87) 1,3-Dichlorobenzene	13.361	146	141828	51.385	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	140139	51.228	ug/l	99
89) n-Butylbenzene	13.690	91	252944	51.203	ug/l	99
90) Hexachloroethane	13.959	117	52357	51.666	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	126726	53.152	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8148	54.186	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	78038	53.619	ug/l	97
94) Hexachlorobutadiene	15.111	225	43738	52.137	ug/l	98
95) Naphthalene	15.233	128	139437	55.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	65749	52.798	ug/l	98

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

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