

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018324.D
 Acq On : 20 May 2024 10:47
 Operator : SY/MD
 Sample : VY0520SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/21/2024
 Supervised By :Mahesh Dadoda 05/21/2024

Quant Time: May 21 01:20:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	157282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	279340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	236943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110525	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73354	63.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.800%	
35) Dibromofluoromethane	7.710	113	79633	54.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.179	98	310819	53.728	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	12.477	95	95337	51.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	27047	21.684	ug/l	97
3) Chloromethane	2.107	50	39262	23.515	ug/l	97
4) Vinyl Chloride	2.247	62	46389	22.919	ug/l	98
5) Bromomethane	2.637	94	31038	22.081	ug/l	93
6) Chloroethane	2.784	64	29895	23.273	ug/l	99
7) Trichlorofluoromethane	3.113	101	53132	22.411	ug/l	94
8) Diethyl Ether	3.515	74	16732	21.439	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	32626	21.593	ug/l	97
10) Methyl Iodide	4.082	142	33775	19.143	ug/l	98
11) Tert butyl alcohol	4.954	59	13316	125.019	ug/l #	73
12) 1,1-Dichloroethene	3.863	96	32989	21.688	ug/l	96
13) Acrolein	3.723	56	15928	138.849	ug/l	99
14) Allyl chloride	4.473	41	44666	23.083	ug/l	96
15) Acrylonitrile	5.149	53	37410	124.644	ug/l	99
16) Acetone	3.936	43	29673	128.507	ug/l #	85
17) Carbon Disulfide	4.186	76	89906	21.712	ug/l	97
18) Methyl Acetate	4.466	43	16914	25.715	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	79699	23.522	ug/l	100
20) Methylene Chloride	4.710	84	47930	29.367	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	34863	21.622	ug/l	97
22) Diisopropyl ether	6.106	45	98936	24.102	ug/l	92
23) Vinyl Acetate	6.045	43	301701	120.928	ug/l	98
24) 1,1-Dichloroethane	6.009	63	58153	23.002	ug/l	96
25) 2-Butanone	6.972	43	48229	130.666	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	51725	22.605	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	41616	21.841	ug/l	99
28) Bromochloromethane	7.326	49	22517	22.283	ug/l	91
29) Tetrahydrofuran	7.338	42	31541	129.457	ug/l	92
30) Chloroform	7.502	83	60653	22.980	ug/l	98
31) Cyclohexane	7.783	56	55589	23.556	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	52174	22.055	ug/l	98
36) 1,1-Dichloropropene	7.911	75	46309	22.004	ug/l	99
37) Ethyl Acetate	7.064	43	21958	24.789	ug/l #	95
38) Carbon Tetrachloride	7.899	117	45646	19.850	ug/l	93
39) Methylcyclohexane	9.179	83	63603	20.948	ug/l	96
40) Benzene	8.155	78	143693	21.226	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	10709m	20.936	ug/l	
42) 1,2-Dichloroethane	8.228	62	34437	23.380	ug/l	99
43) Isopropyl Acetate	8.265	43	42253	23.272	ug/l	95
44) Trichloroethene	8.935	130	35685	19.364	ug/l	96
45) 1,2-Dichloropropane	9.209	63	32874	22.212	ug/l	100
46) Dibromomethane	9.301	93	18559	21.813	ug/l	93
47) Bromodichloromethane	9.490	83	44744	21.272	ug/l	97
48) Methyl methacrylate	9.289	41	18480	22.208	ug/l	93
49) 1,4-Dioxane	9.295	88	5017	444.231	ug/l #	96
51) 4-Methyl-2-Pentanone	10.063	43	105075	115.144	ug/l	95
52) Toluene	10.240	92	87729	20.130	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	40789	20.761	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	50547	21.047	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	24829	21.243	ug/l	97
56) Ethyl methacrylate	10.508	69	32564	20.514	ug/l	88
57) 1,3-Dichloropropane	10.788	76	42011	22.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	84312	111.232	ug/l	100
59) 2-Hexanone	10.831	43	71705	112.379	ug/l	95
60) Dibromochloromethane	10.984	129	30797	20.309	ug/l	98
61) 1,2-Dibromoethane	11.087	107	22889	20.791	ug/l	96
64) Tetrachloroethene	10.715	164	32267	20.453	ug/l	91
65) Chlorobenzene	11.514	112	96233	19.941	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	31227	20.005	ug/l	97
67) Ethyl Benzene	11.593	91	164649	20.207	ug/l	96
68) m/p-Xylenes	11.703	106	127854	39.680	ug/l	98
69) o-Xylene	12.026	106	61555	19.907	ug/l	95
70) Styrene	12.044	104	102690	19.886	ug/l	97
71) Bromoform	12.209	173	16559	19.173	ug/l #	98
73) Isopropylbenzene	12.325	105	159962	19.303	ug/l	99
74) N-amyl acetate	12.142	43	35166	20.443	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	26580	20.107	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	18165m	20.533	ug/l	
77) Bromobenzene	12.605	156	35747	18.778	ug/l	97
78) n-propylbenzene	12.672	91	186004	19.298	ug/l	98
79) 2-Chlorotoluene	12.758	91	102122	19.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	128903	19.727	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8812	19.191	ug/l	98
82) 4-Chlorotoluene	12.855	91	105422	19.595	ug/l	98
83) tert-Butylbenzene	13.075	119	114554	19.006	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	125483	19.604	ug/l	100
85) sec-Butylbenzene	13.251	105	171482	19.397	ug/l	99
86) p-Isopropyltoluene	13.367	119	138506	19.044	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	71126	19.346	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	71030	19.818	ug/l	98
89) n-Butylbenzene	13.696	91	129045	19.605	ug/l	99
90) Hexachloroethane	13.959	117	26552	18.609	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	61000	19.304	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3606	20.034	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	35340	19.893	ug/l	96
94) Hexachlorobutadiene	15.111	225	18855	19.236	ug/l	96
95) Naphthalene	15.233	128	64689	19.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29526	20.252	ug/l	96

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

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