

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019143.D
 Acq On : 20 Aug 2024 12:03
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/21/2024
 Supervised By :Mahesh Dadoda 08/21/2024

Quant Time: Aug 20 13:23:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	124910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	201483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	182725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	85744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	52878	42.231	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.460%		
35) Dibromofluoromethane	7.622	113	57905	43.953	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.900%		
50) Toluene-d8	10.103	98	233687	49.291	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.408	95	74708	46.225	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	92.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	22007	24.013	ug/l	98
3) Chloromethane	2.068	50	31916	19.321	ug/l	100
4) Vinyl Chloride	2.202	62	41039	20.113	ug/l	98
5) Bromomethane	2.592	94	30696	21.238	ug/l	99
6) Chloroethane	2.726	64	25945	18.726	ug/l	98
7) Trichlorofluoromethane	3.049	101	62727	20.334	ug/l	91
8) Diethyl Ether	3.446	74	12861	19.315	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	29290	21.357	ug/l	97
10) Methyl Iodide	3.994	142	27754	20.647	ug/l	93
11) Tert butyl alcohol	4.842	59	11107	75.104	ug/l #	89
12) 1,1-Dichloroethene	3.781	96	26537	21.298	ug/l	98
13) Acrolein	3.641	56	8959	82.027	ug/l	98
14) Allyl chloride	4.372	41	33808	20.408	ug/l	88
15) Acrylonitrile	5.043	53	24601	90.294	ug/l	97
16) Acetone	3.854	43	21017	90.508	ug/l #	79
17) Carbon Disulfide	4.098	76	71016	20.208	ug/l #	93
18) Methyl Acetate	4.372	43	13552	19.016	ug/l	97
19) Methyl tert-butyl Ether	5.104	73	59107	19.567	ug/l	98
20) Methylene Chloride	4.610	84	32803	15.739	ug/l	90
21) trans-1,2-Dichloroethene	5.098	96	28168	20.235	ug/l	98
22) Diisopropyl ether	6.006	45	76987	20.301	ug/l #	92
23) Vinyl Acetate	5.951	43	276273	92.016	ug/l	94
24) 1,1-Dichloroethane	5.909	63	47612	20.530	ug/l	95
25) 2-Butanone	6.884	43	32103	85.844	ug/l #	84
26) 2,2-Dichloropropane	6.878	77	40863	21.758	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	33512	20.457	ug/l	96
28) Bromochloromethane	7.238	49	17534	18.023	ug/l	97
29) Tetrahydrofuran	7.250	42	19850	82.572	ug/l	96
30) Chloroform	7.415	83	53632	20.753	ug/l	99
31) Cyclohexane	7.695	56	39465	19.416	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	44824	19.737	ug/l	98
36) 1,1-Dichloropropene	7.823	75	34941	19.315	ug/l	99
37) Ethyl Acetate	6.976	43	13766	17.175	ug/l	98
38) Carbon Tetrachloride	7.805	117	41186	19.645	ug/l #	91
39) Methylcyclohexane	9.103	83	45802	19.729	ug/l	98
40) Benzene	8.073	78	107069	19.298	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.201	41	7511m	17.169	ug/l	
42) 1,2-Dichloroethane	8.146	62	26926	17.972	ug/l	97
43) Isopropyl Acetate	8.189	43	26533	16.369	ug/l #	82
44) Trichloroethene	8.859	130	29465	19.033	ug/l	96
45) 1,2-Dichloropropane	9.134	63	24205	19.581	ug/l	93
46) Dibromomethane	9.225	93	14989	18.695	ug/l	99
47) Bromodichloromethane	9.420	83	39840	20.254	ug/l	96
48) Methyl methacrylate	9.219	41	13643	18.886	ug/l	85
49) 1,4-Dioxane	9.213	88	3131	322.373	ug/l #	92
51) 4-Methyl-2-Pentanone	9.993	43	74031	86.050	ug/l	93
52) Toluene	10.164	92	75365	20.693	ug/l	96
53) t-1,3-Dichloropropene	10.390	75	30465	18.670	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	39151	19.951	ug/l #	87
55) 1,1,2-Trichloroethane	10.572	97	20060	19.435	ug/l	94
56) Ethyl methacrylate	10.438	69	24094	17.834	ug/l #	82
57) 1,3-Dichloropropane	10.713	76	31854	18.932	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	57622	89.907	ug/l	94
59) 2-Hexanone	10.761	43	49600	83.917	ug/l	93
60) Dibromochloromethane	10.908	129	26846	19.097	ug/l	99
61) 1,2-Dibromoethane	11.011	107	18765	18.810	ug/l	96
64) Tetrachloroethene	10.646	164	31079	19.459	ug/l	98
65) Chlorobenzene	11.438	112	83580	19.865	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	28435	19.218	ug/l	95
67) Ethyl Benzene	11.517	91	139793	19.143	ug/l	95
68) m/p-Xylenes	11.627	106	110674	38.194	ug/l	99
69) o-Xylene	11.956	106	51899	19.341	ug/l	100
70) Styrene	11.969	104	86844	18.979	ug/l	97
71) Bromoform	12.133	173	14719	17.402	ug/l #	97
73) Isopropylbenzene	12.255	105	139318	21.199	ug/l	99
74) N-amyl acetate	12.072	43	25502	17.796	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	20683	17.678	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	12409m	14.675	ug/l	
77) Bromobenzene	12.536	156	31399	19.894	ug/l	95
78) n-propylbenzene	12.597	91	164975	20.999	ug/l	100
79) 2-Chlorotoluene	12.682	91	91594	20.795	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	111227	20.775	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	5631	16.446	ug/l #	74
82) 4-Chlorotoluene	12.779	91	92639	20.216	ug/l	98
83) tert-Butylbenzene	12.999	119	101437	20.517	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	108681	20.368	ug/l	99
85) sec-Butylbenzene	13.176	105	149640	20.769	ug/l	98
86) p-Isopropyltoluene	13.292	119	122113	20.634	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	61958	19.906	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	60418	19.527	ug/l	98
89) n-Butylbenzene	13.621	91	111624	20.688	ug/l	98
90) Hexachloroethane	13.883	117	24684	21.161	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	53003	19.362	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2863	16.634	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	28087	18.193	ug/l	98
94) Hexachlorobutadiene	15.029	225	17139	21.314	ug/l	96
95) Naphthalene	15.151	128	43937	15.947	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	22973	17.643	ug/l	96

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

