

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082324\
 Data File : VY019249.D
 Acq On : 23 Aug 2024 11:51
 Operator : SY/MD
 Sample : VY0823SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0823SBSD01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/26/2024
 Supervised By :Semsettin Yesilyurt 08/26/2024

Quant Time: Aug 24 01:20:35 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	110534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	176589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	151875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	76202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	54273	48.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.628	113	58219	50.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.840%		
50) Toluene-d8	10.103	98	215184	51.787	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.580%		
62) 4-Bromofluorobenzene	12.408	95	71033	50.147	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	100.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	16062	19.806	ug/l	99
3) Chloromethane	2.068	50	22950	15.700	ug/l	95
4) Vinyl Chloride	2.202	62	31833	17.630	ug/l	96
5) Bromomethane	2.586	94	25589	19.619	ug/l	98
6) Chloroethane	2.732	64	21730	17.679	ug/l	98
7) Trichlorofluoromethane	3.050	101	49050	17.968	ug/l	99
8) Diethyl Ether	3.446	74	11200	19.008	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	23967	19.749	ug/l	100
10) Methyl Iodide	4.001	142	21913	18.422	ug/l	96
11) Tert butyl alcohol	4.836	59	15224	143.606	ug/l #	88
12) 1,1-Dichloroethene	3.781	96	20889	18.946	ug/l	93
13) Acrolein	3.641	56	7135	71.684	ug/l	93
14) Allyl chloride	4.372	41	26562	18.120	ug/l	93
15) Acrylonitrile	5.049	53	22916	95.049	ug/l	98
16) Acetone	3.860	43	18729	91.145	ug/l	88
17) Carbon Disulfide	4.098	76	54318	17.466	ug/l	99
18) Methyl Acetate	4.379	43	11938	18.930	ug/l	97
19) Methyl tert-butyl Ether	5.104	73	50677	18.958	ug/l	98
20) Methylene Chloride	4.604	84	29700	16.401	ug/l #	87
21) trans-1,2-Dichloroethene	5.104	96	23543	19.112	ug/l	96
22) Diisopropyl ether	6.006	45	61133	18.217	ug/l	94
23) Vinyl Acetate	5.951	43	239611	90.185	ug/l	99
24) 1,1-Dichloroethane	5.903	63	39572	19.282	ug/l	99
25) 2-Butanone	6.884	43	29325	88.615	ug/l #	86
26) 2,2-Dichloropropane	6.872	77	33377	20.084	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	28003	19.317	ug/l	98
28) Bromochloromethane	7.238	49	16773	19.483	ug/l	98
29) Tetrahydrofuran	7.250	42	17807	83.707	ug/l	96
30) Chloroform	7.415	83	46106	20.162	ug/l	98
31) Cyclohexane	7.695	56	32382	17.663	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	39241	19.526	ug/l	96
36) 1,1-Dichloropropene	7.823	75	30337	19.134	ug/l	98
37) Ethyl Acetate	6.976	43	13893	19.777	ug/l #	97
38) Carbon Tetrachloride	7.811	117	38304	20.846	ug/l	99
39) Methylcyclohexane	9.103	83	39852	19.586	ug/l	96
40) Benzene	8.073	78	96240	19.791	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	8032m	20.949	ug/l	
42) 1,2-Dichloroethane	8.152	62	25604	19.498	ug/l	98
43) Isopropyl Acetate	8.189	43	25305	17.812	ug/l	99
44) Trichloroethene	8.859	130	27765	20.463	ug/l	94
45) 1,2-Dichloropropane	9.140	63	21352	19.708	ug/l	98
46) Dibromomethane	9.225	93	13348	18.995	ug/l	98
47) Bromodichloromethane	9.420	83	33757	19.580	ug/l	100
48) Methyl methacrylate	9.213	41	11729	18.525	ug/l	92
49) 1,4-Dioxane	9.219	88	3419	401.651	ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	66925	88.756	ug/l	94
52) Toluene	10.170	92	62757	19.661	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	27188	19.011	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	33822	19.665	ug/l #	93
55) 1,1,2-Trichloroethane	10.573	97	18607	20.569	ug/l	99
56) Ethyl methacrylate	10.438	69	20958	17.700	ug/l #	84
57) 1,3-Dichloropropane	10.719	76	28385	19.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	52362	93.217	ug/l	94
59) 2-Hexanone	10.762	43	46146	89.079	ug/l	94
60) Dibromochloromethane	10.914	129	23324	18.930	ug/l	100
61) 1,2-Dibromoethane	11.018	107	16555	18.934	ug/l	100
64) Tetrachloroethene	10.646	164	26991	20.332	ug/l	96
65) Chlorobenzene	11.444	112	69995	20.015	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	24480	19.905	ug/l	98
67) Ethyl Benzene	11.518	91	119205	19.639	ug/l	100
68) m/p-Xylenes	11.627	106	95808	39.780	ug/l	96
69) o-Xylene	11.956	106	44923	20.142	ug/l	97
70) Styrene	11.975	104	73988	19.453	ug/l	98
71) Bromoform	12.133	173	14011	19.930	ug/l #	95
73) Isopropylbenzene	12.255	105	115318	19.745	ug/l	100
74) N-amyl acetate	12.072	43	22090	17.345	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	19836	19.077	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	12257m	16.310	ug/l	
77) Bromobenzene	12.536	156	28396	20.245	ug/l	93
78) n-propylbenzene	12.597	91	137202	19.651	ug/l	98
79) 2-Chlorotoluene	12.682	91	77668	19.842	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	94215	19.801	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	5896	19.376	ug/l	97
82) 4-Chlorotoluene	12.779	91	81481	20.008	ug/l	99
83) tert-Butylbenzene	12.999	119	85443	19.446	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	91874	19.374	ug/l	98
85) sec-Butylbenzene	13.176	105	126856	19.812	ug/l	99
86) p-Isopropyltoluene	13.292	119	105796	20.115	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	54801	19.811	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	54145	19.691	ug/l	98
89) n-Butylbenzene	13.621	91	95114	19.836	ug/l	98
90) Hexachloroethane	13.883	117	21736	20.967	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	46750	19.216	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2810	18.370	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	25362	18.485	ug/l	98
94) Hexachlorobutadiene	15.029	225	14716	20.592	ug/l	97
95) Naphthalene	15.145	128	39987	16.330	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	20856	18.023	ug/l	96

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

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