

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011824\
 Data File : VY017032.D
 Acq On : 18 Jan 2024 11:59
 Operator : SY/MD
 Sample : VY0118SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0118SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/19/2024
 Supervised By :Semsettin Yesilyurt 01/19/2024

Quant Time: Jan 19 02:26:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	143389	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	238968	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.520	117	202063	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.453	152	87126	50.000	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	68030	48.003	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.000%
35) Dibromofluoromethane	7.752	113	75844	49.806	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.620%
50) Toluene-d8	10.209	98	256418	48.900	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.508	95	87173	49.273	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	20186	16.667	ug/l	99
3) Chloromethane	2.138	50	28757	17.072	ug/l	98
4) Vinyl Chloride	2.278	62	35640	17.938	ug/l	99
5) Bromomethane	2.674	94	27442	19.279	ug/l	93
6) Chloroethane	2.820	64	24818	18.466	ug/l	94
7) Trichlorofluoromethane	3.156	101	49129	20.068	ug/l	96
8) Diethyl Ether	3.558	74	16071	20.542	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.936	101	32910	20.675	ug/l	99
10) Methyl Iodide	4.131	142	24993	18.456	ug/l	98
11) Tert butyl alcohol	5.003	59	14153	120.013	ug/l #	87
12) 1,1-Dichloroethene	3.912	96	26236	19.210	ug/l	97
13) Acrolein	3.765	56	15201	93.432	ug/l	99
14) Allyl chloride	4.515	41	41250	19.106	ug/l	97
15) Acrylonitrile	5.204	53	40064	109.481	ug/l	100
16) Acetone	3.979	43	50974	134.816	ug/l	95
17) Carbon Disulfide	4.235	76	48112	14.743	ug/l	99
18) Methyl Acetate	4.521	43	28946	19.064	ug/l	99
19) Methyl tert-butyl Ether	5.265	73	78222	22.015	ug/l	99
20) Methylene Chloride	4.759	84	38046	15.432	ug/l	95
21) trans-1,2-Dichloroethene	5.265	96	29725	19.004	ug/l	93
22) Diisopropyl ether	6.155	45	107866	21.610	ug/l	97
23) Vinyl Acetate	6.100	43	256891	112.242	ug/l	98
24) 1,1-Dichloroethane	6.064	63	62303	20.771	ug/l	99
25) 2-Butanone	7.021	43	63242	125.953	ug/l	96
26) 2,2-Dichloropropane	7.015	77	54703	21.033	ug/l	100
27) cis-1,2-Dichloroethene	7.027	96	38062	20.758	ug/l	98
28) Bromochloromethane	7.368	49	23128	20.538	ug/l	98
29) Tetrahydrofuran	7.380	42	31053	108.260	ug/l	99
30) Chloroform	7.539	83	66950	21.659	ug/l	99
31) Cyclohexane	7.819	56	45032	18.514	ug/l	96
32) 1,1,1-Trichloroethane	7.734	97	55696	21.250	ug/l	99
36) 1,1-Dichloropropene	7.947	75	44517	20.059	ug/l	99
37) Ethyl Acetate	7.112	43	22243	22.055	ug/l	98
38) Carbon Tetrachloride	7.935	117	46807	20.759	ug/l	98
39) Methylcyclohexane	9.216	83	47117	18.886	ug/l	98
40) Benzene	8.191	78	134926	20.267	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	11870	22.348	ug/l	90
42) 1,2-Dichloroethane	8.271	62	37671	21.315	ug/l	99
43) Isopropyl Acetate	8.301	43	42415	21.962	ug/l	99
44) Trichloroethene	8.972	130	34804	20.545	ug/l	97
45) 1,2-Dichloropropane	9.246	63	36135	21.069	ug/l	98
46) Dibromomethane	9.337	93	18246	20.860	ug/l	99
47) Bromodichloromethane	9.526	83	50658	21.567	ug/l	98
48) Methyl methacrylate	9.319	41	21721	20.840	ug/l	93
49) 1,4-Dioxane	9.331	88	4203	464.071	ug/l	95
51) 4-Methyl-2-Pentanone	10.093	43	116099	113.036	ug/l	99
52) Toluene	10.270	92	84178	20.952	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	44152	20.986	ug/l	94
54) cis-1,3-Dichloropropene	9.953	75	54017	21.379	ug/l	98
55) 1,1,2-Trichloroethane	10.673	97	28567	22.355	ug/l	98
56) Ethyl methacrylate	10.532	69	23364	21.586	ug/l	99
57) 1,3-Dichloropropane	10.819	76	46187	21.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	55081	92.669	ug/l	100
59) 2-Hexanone	10.855	43	91313	120.739	ug/l	100
60) Dibromochloromethane	11.008	129	32545	22.085	ug/l	99
61) 1,2-Dibromoethane	11.118	107	24072	21.682	ug/l	99
64) Tetrachloroethene	10.746	164	26976	20.592	ug/l	96
65) Chlorobenzene	11.544	112	91423	21.719	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.618	131	34844	21.776	ug/l	97
67) Ethyl Benzene	11.618	91	162146	21.396	ug/l	98
68) m/p-Xylenes	11.727	106	119425	42.933	ug/l	99
69) o-Xylene	12.057	106	56286	21.584	ug/l	98
70) Styrene	12.069	104	83625	22.033	ug/l	99
71) Bromoform	12.233	173	17771	22.560	ug/l #	98
73) Isopropylbenzene	12.355	105	158042	22.213	ug/l	100
74) N-amyl acetate	12.166	43	32882	23.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	32655	22.526	ug/l	99
76) 1,2,3-Trichloropropane	12.660	75	22798m	24.113	ug/l	
77) Bromobenzene	12.636	156	34107	21.773	ug/l	99
78) n-propylbenzene	12.697	91	189900	21.955	ug/l	99
79) 2-Chlorotoluene	12.782	91	102482	21.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.837	105	125294	22.267	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.404	75	8999	21.613	ug/l	98
82) 4-Chlorotoluene	12.880	91	109129	22.271	ug/l	99
83) tert-Butylbenzene	13.099	119	110082	22.211	ug/l	97
84) 1,2,4-Trimethylbenzene	13.148	105	123012	22.199	ug/l	99
85) sec-Butylbenzene	13.276	105	164503	22.401	ug/l	100
86) p-Isopropyltoluene	13.392	119	133543	22.034	ug/l	99
87) 1,3-Dichlorobenzene	13.392	146	66327	21.590	ug/l	99
88) 1,4-Dichlorobenzene	13.471	146	65395	21.763	ug/l	97
89) n-Butylbenzene	13.721	91	128712	22.088	ug/l	99
90) Hexachloroethane	13.989	117	28388	21.798	ug/l	100
91) 1,2-Dichlorobenzene	13.764	146	58541	22.050	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.385	75	4047	22.262	ug/l	95
93) 1,2,4-Trichlorobenzene	15.032	180	29876	22.661	ug/l	97
94) Hexachlorobutadiene	15.135	225	18201	22.038	ug/l	98
95) Naphthalene	15.263	128	52551	23.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.452	180	24602	21.977	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

