

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011824\
 Data File : VY017031.D
 Acq On : 18 Jan 2024 11:25
 Operator : SY/MD
 Sample : VY0118SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0118SBS01

Quant Time: Jan 19 02:25:11 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	142934	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	245991	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	207066	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	87402	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	60339	42.712	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.420%		
35) Dibromofluoromethane	7.752	113	65559	41.823	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.640%		
50) Toluene-d8	10.203	98	223339	41.375	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.760%		
62) 4-Bromofluorobenzene	12.507	95	74416	40.862	ug/l	0.02
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	17769	14.422	ug/l	93
3) Chloromethane	2.137	50	24532	14.610	ug/l	96
4) Vinyl Chloride	2.278	62	30201	15.249	ug/l	99
5) Bromomethane	2.674	94	23705	16.707	ug/l	99
6) Chloroethane	2.820	64	21217	15.837	ug/l	98
7) Trichlorofluoromethane	3.156	101	41628	17.059	ug/l	96
8) Diethyl Ether	3.558	74	13934	17.867	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.936	101	27945	17.612	ug/l	100
10) Methyl Iodide	4.131	142	19447	14.407	ug/l	96
11) Tert butyl alcohol	4.991	59	11570	91.534	ug/l #	91
12) 1,1-Dichloroethene	3.905	96	23128	16.988	ug/l	95
13) Acrolein	3.759	56	13305	81.049	ug/l	93
14) Allyl chloride	4.521	41	35787	16.628	ug/l	98
15) Acrylonitrile	5.210	53	34891	95.649	ug/l	99
16) Acetone	3.979	43	44022	113.229	ug/l	99
17) Carbon Disulfide	4.235	76	41855	12.867	ug/l	99
18) Methyl Acetate	4.515	43	24836	16.409	ug/l	100
19) Methyl tert-butyl Ether	5.259	73	65956	18.622	ug/l	99
20) Methylene Chloride	4.759	84	31698	11.572	ug/l	98
21) trans-1,2-Dichloroethene	5.265	96	25503	16.356	ug/l	96
22) Diisopropyl ether	6.161	45	92890	18.669	ug/l	96
23) Vinyl Acetate	6.106	43	217374	95.278	ug/l	99
24) 1,1-Dichloroethane	6.064	63	53103	17.760	ug/l	98
25) 2-Butanone	7.027	43	53477	105.314	ug/l	97
26) 2,2-Dichloropropane	7.015	77	46546	17.954	ug/l	99
27) cis-1,2-Dichloroethene	7.027	96	32513	17.788	ug/l	98
28) Bromochloromethane	7.368	49	21016	18.722	ug/l	98
29) Tetrahydrofuran	7.380	42	26499	92.678	ug/l	98
30) Chloroform	7.539	83	57019	18.505	ug/l	98
31) Cyclohexane	7.819	56	39358	16.232	ug/l #	95
32) 1,1,1-Trichloroethane	7.734	97	47436	18.156	ug/l	99
36) 1,1-Dichloropropene	7.947	75	38644	16.916	ug/l	99
37) Ethyl Acetate	7.112	43	19530	18.812	ug/l #	79
38) Carbon Tetrachloride	7.935	117	40888	17.617	ug/l	99
39) Methylcyclohexane	9.209	83	40537	15.784	ug/l	99
40) Benzene	8.191	78	116122	16.945	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	10240	18.728	ug/l	94
42) 1,2-Dichloroethane	8.264	62	32636	17.939	ug/l	99
43) Isopropyl Acetate	8.301	43	35696	17.955	ug/l	100
44) Trichloroethene	8.965	130	30310	17.382	ug/l	92
45) 1,2-Dichloropropane	9.246	63	31280	17.718	ug/l	100
46) Dibromomethane	9.331	93	15655	17.387	ug/l	99
47) Bromodichloromethane	9.520	83	43004	17.786	ug/l	99
48) Methyl methacrylate	9.319	41	17884	16.669	ug/l	91
49) 1,4-Dioxane	9.325	88	3500	375.417	ug/l	99
51) 4-Methyl-2-Pentanone	10.093	43	97844	92.543	ug/l	100
52) Toluene	10.270	92	71935	17.393	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	38065	17.576	ug/l	97
54) cis-1,3-Dichloropropene	9.953	75	45042	17.318	ug/l	96
55) 1,1,2-Trichloroethane	10.666	97	23537	17.893	ug/l	95
56) Ethyl methacrylate	10.532	69	19660	17.646	ug/l	100
57) 1,3-Dichloropropane	10.813	76	39742	18.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	45266	77.498	ug/l	98
59) 2-Hexanone	10.855	43	74965	96.293	ug/l	98
60) Dibromochloromethane	11.008	129	27117	17.876	ug/l	99
61) 1,2-Dibromoethane	11.111	107	20410	17.858	ug/l	98
64) Tetrachloroethene	10.746	164	23235	17.308	ug/l	97
65) Chlorobenzene	11.538	112	77488	17.964	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.617	131	29528	18.008	ug/l	97
67) Ethyl Benzene	11.617	91	136544	17.583	ug/l	100
68) m/p-Xylenes	11.721	106	100890	35.393	ug/l	100
69) o-Xylene	12.050	106	47009	17.591	ug/l	99
70) Styrene	12.069	104	69789	17.944	ug/l	99
71) Bromoform	12.233	173	14894	18.451	ug/l #	100
73) Isopropylbenzene	12.355	105	131998	18.494	ug/l	100
74) N-amyl acetate	12.166	43	26450	18.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.605	83	27286	18.763	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	18104m	19.088	ug/l	
77) Bromobenzene	12.629	156	28487	18.128	ug/l	98
78) n-propylbenzene	12.690	91	160758	18.527	ug/l	100
79) 2-Chlorotoluene	12.782	91	87623	18.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.837	105	105104	18.620	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.404	75	7527	18.021	ug/l	96
82) 4-Chlorotoluene	12.879	91	89838	18.276	ug/l	100
83) tert-Butylbenzene	13.099	119	93071	18.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.142	105	101547	18.267	ug/l	98
85) sec-Butylbenzene	13.276	105	137231	18.628	ug/l	100
86) p-Isopropyltoluene	13.391	119	110618	18.194	ug/l	100
87) 1,3-Dichlorobenzene	13.391	146	55451	17.993	ug/l	100
88) 1,4-Dichlorobenzene	13.471	146	54509	18.083	ug/l	98
89) n-Butylbenzene	13.721	91	104649	17.902	ug/l	100
90) Hexachloroethane	13.983	117	23231	17.782	ug/l	100
91) 1,2-Dichlorobenzene	13.763	146	48994	18.396	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	2929	16.062	ug/l	93
93) 1,2,4-Trichlorobenzene	15.031	180	22623	17.105	ug/l	99
94) Hexachlorobutadiene	15.135	225	14401	17.382	ug/l	98
95) Naphthalene	15.263	128	38280	17.486	ug/l	100
96) 1,2,3-Trichlorobenzene	15.446	180	18283	16.281	ug/l	98

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

