

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017706.D
 Acq On : 19 Mar 2024 12:35
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024
 Supervised By :Semsettin Yesilyurt 03/20/2024

Quant Time: Mar 19 12:52:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	156210	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	242544	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	211638	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	97874	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	56238	37.987	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.980%		
35) Dibromofluoromethane	7.734	113	68711	40.654	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.300%		
50) Toluene-d8	10.197	98	256561	43.417	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.840%		
62) 4-Bromofluorobenzene	12.495	95	76628	41.261	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	20495	17.786	ug/l	96
3) Chloromethane	2.125	50	35771	16.990	ug/l	94
4) Vinyl Chloride	2.266	62	45321	16.779	ug/l	100
5) Bromomethane	2.662	94	40591	18.441	ug/l	100
6) Chloroethane	2.808	64	30726	18.033	ug/l	97
7) Trichlorofluoromethane	3.144	101	50146	18.216	ug/l	98
8) Diethyl Ether	3.546	74	14741	18.257	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.918	101	31686	20.011	ug/l	98
10) Methyl Iodide	4.113	142	32189	18.114	ug/l	98
11) Tert butyl alcohol	4.979	59	7518	59.783	ug/l #	94
12) 1,1-Dichloroethene	3.893	96	29110	19.727	ug/l	88
13) Acrolein	3.747	56	9227	55.608	ug/l	100
14) Allyl chloride	4.503	41	32863	18.431	ug/l	95
15) Acrylonitrile	5.186	53	27800	83.758	ug/l	99
16) Acetone	3.967	43	25367	88.341	ug/l	93
17) Carbon Disulfide	4.216	76	81407	18.379	ug/l	98
18) Methyl Acetate	4.503	43	10537	15.125	ug/l	97
19) Methyl tert-butyl Ether	5.247	73	61345	17.836	ug/l	99
20) Methylene Chloride	4.741	84	36912	18.420	ug/l	92
21) trans-1,2-Dichloroethene	5.247	96	33022	19.112	ug/l	94
22) Diisopropyl ether	6.137	45	77215	18.767	ug/l	95
23) Vinyl Acetate	6.082	43	214748	87.588	ug/l	99
24) 1,1-Dichloroethane	6.045	63	54458	19.373	ug/l	98
25) 2-Butanone	7.009	43	35203	86.024	ug/l	96
26) 2,2-Dichloropropane	7.003	77	45148	19.103	ug/l	98
27) cis-1,2-Dichloroethene	7.009	96	37342	19.249	ug/l	97
28) Bromochloromethane	7.356	49	19545	17.655	ug/l	92
29) Tetrahydrofuran	7.368	42	19113	77.480	ug/l	96
30) Chloroform	7.527	83	58866	19.670	ug/l	98
31) Cyclohexane	7.807	56	45309	18.806	ug/l	93
32) 1,1,1-Trichloroethane	7.722	97	50824	19.561	ug/l	99
36) 1,1-Dichloropropene	7.935	75	44512	19.520	ug/l	99
37) Ethyl Acetate	7.094	43	14601	16.212	ug/l	95
38) Carbon Tetrachloride	7.923	117	46511	20.351	ug/l	100
39) Methylcyclohexane	9.203	83	52611	19.198	ug/l	98
40) Benzene	8.179	78	132614	19.583	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	8593m	19.013	ug/l	
42) 1,2-Dichloroethane	8.252	62	30801	18.642	ug/l	97
43) Isopropyl Acetate	8.289	43	26969	17.040	ug/l	98
44) Trichloroethene	8.960	130	38906	19.932	ug/l	97
45) 1,2-Dichloropropane	9.234	63	30821	19.130	ug/l	98
46) Dibromomethane	9.325	93	17149	18.598	ug/l	96
47) Bromodichloromethane	9.514	83	43334	19.355	ug/l	97
48) Methyl methacrylate	9.307	41	12125	16.551	ug/l	92
49) 1,4-Dioxane	9.313	88	3358	321.794	ug/l #	93
51) 4-Methyl-2-Pentanone	10.087	43	72171	81.820	ug/l	98
52) Toluene	10.264	92	84787	19.860	ug/l	98
53) t-1,3-Dichloropropene	10.484	75	38359	18.459	ug/l	95
54) cis-1,3-Dichloropropene	9.947	75	47121	18.662	ug/l	97
55) 1,1,2-Trichloroethane	10.660	97	24368	18.613	ug/l	97
56) Ethyl methacrylate	10.526	69	25140	17.354	ug/l	99
57) 1,3-Dichloropropane	10.807	76	39214	18.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.801	63	58663	77.652	ug/l	96
59) 2-Hexanone	10.849	43	51878	85.624	ug/l	97
60) Dibromochloromethane	11.002	129	29428	19.001	ug/l	100
61) 1,2-Dibromoethane	11.105	107	22287	18.473	ug/l	100
64) Tetrachloroethene	10.734	164	39778	19.582	ug/l	97
65) Chlorobenzene	11.532	112	89662	19.960	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	32705	19.434	ug/l	99
67) Ethyl Benzene	11.611	91	154331	19.590	ug/l	96
68) m/p-Xylenes	11.721	106	122747	39.652	ug/l	99
69) o-Xylene	12.044	106	56609	19.711	ug/l	96
70) Styrene	12.063	104	92090	19.318	ug/l	97
71) Bromoform	12.227	173	17506	18.771	ug/l #	99
73) Isopropylbenzene	12.343	105	149424	20.550	ug/l	99
74) N-amyl acetate	12.160	43	21545	16.800	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.593	83	24747	19.819	ug/l	100
76) 1,2,3-Trichloropropane	12.648	75	19319m	20.774	ug/l	
77) Bromobenzene	12.624	156	35648	20.244	ug/l	94
78) n-propylbenzene	12.684	91	182367	20.902	ug/l	99
79) 2-Chlorotoluene	12.770	91	98206	20.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	119980	20.595	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	7331	18.114	ug/l	98
82) 4-Chlorotoluene	12.867	91	98561	19.727	ug/l	96
83) tert-Butylbenzene	13.087	119	107401	20.995	ug/l	97
84) 1,2,4-Trimethylbenzene	13.136	105	116127	20.192	ug/l	98
85) sec-Butylbenzene	13.264	105	161304	20.624	ug/l	99
86) p-Isopropyltoluene	13.386	119	130598	20.398	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	70200	19.861	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	68484	19.930	ug/l	99
89) n-Butylbenzene	13.709	91	116442	19.934	ug/l	100
90) Hexachloroethane	13.971	117	26462	20.616	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	58747	19.650	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2887	16.446	ug/l	91
93) 1,2,4-Trichlorobenzene	15.019	180	30838	19.528	ug/l	97
94) Hexachlorobutadiene	15.123	225	20313	20.834	ug/l	98
95) Naphthalene	15.251	128	44141	17.210	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	24814	18.317	ug/l	99

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

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