

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030624\
 Data File : VY017584.D
 Acq On : 06 Mar 2024 11:00
 Operator : SY/MD
 Sample : VY0306SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/07/2024

Quant Time: Mar 07 05:16:33 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	7.789	168	138886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	189987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	64728	49.175	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.360%		
35) Dibromofluoromethane	7.716	113	74957	49.770	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.540%		
50) Toluene-d8	10.179	98	287883	54.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	109.340%		
62) 4-Bromofluorobenzene	12.483	95	86733	52.410	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	22688	22.145	ug/l	96
3) Chloromethane	2.107	50	35611	19.024	ug/l	96
4) Vinyl Chloride	2.247	62	48690	20.275	ug/l	99
5) Bromomethane	2.637	94	41781	21.350	ug/l	98
6) Chloroethane	2.784	64	31912	21.065	ug/l	96
7) Trichlorofluoromethane	3.113	101	54088	22.099	ug/l	91
8) Diethyl Ether	3.521	74	15358	21.394	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	32849	23.333	ug/l	99
10) Methyl Iodide	4.082	142	30065	19.029	ug/l	99
11) Tert butyl alcohol	4.942	59	9776	87.435	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	28094	21.413	ug/l	98
13) Acrolein	3.723	56	12888	87.360	ug/l	98
14) Allyl chloride	4.472	41	33070	20.861	ug/l	97
15) Acrylonitrile	5.155	53	31206	105.748	ug/l	99
16) Acetone	3.942	43	29561	115.788	ug/l	94
17) Carbon Disulfide	4.186	76	66595	16.911	ug/l	97
18) Methyl Acetate	4.472	43	12423	20.057	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	65009	21.259	ug/l	98
20) Methylene Chloride	4.710	84	35065	20.102	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	31372	20.422	ug/l	96
22) Diisopropyl ether	6.112	45	81213	22.200	ug/l	94
23) Vinyl Acetate	6.057	43	232493	106.654	ug/l	98
24) 1,1-Dichloroethane	6.015	63	55334	22.141	ug/l	97
25) 2-Butanone	6.984	43	39764	109.290	ug/l	99
26) 2,2-Dichloropropane	6.972	77	47176	22.451	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	37193	21.564	ug/l	98
28) Bromochloromethane	7.332	49	18721	19.020	ug/l	95
29) Tetrahydrofuran	7.350	42	22583	102.966	ug/l	99
30) Chloroform	7.502	83	61070	22.951	ug/l	99
31) Cyclohexane	7.783	56	42444	19.814	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	51721	22.389	ug/l	98
36) 1,1-Dichloropropene	7.917	75	43057	21.189	ug/l	99
37) Ethyl Acetate	7.069	43	16502	20.561	ug/l #	95
38) Carbon Tetrachloride	7.899	117	45991	22.583	ug/l	98
39) Methylcyclohexane	9.185	83	48751	19.963	ug/l	97
40) Benzene	8.161	78	128166	21.239	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	9255m	22.980	ug/l	
42) 1,2-Dichloroethane	8.234	62	31923	21.682	ug/l	100
43) Isopropyl Acetate	8.270	43	29762	21.103	ug/l	98
44) Trichloroethene	8.941	130	37613	21.625	ug/l	100
45) 1,2-Dichloropropane	9.215	63	32127	22.377	ug/l	100
46) Dibromomethane	9.307	93	17626	21.452	ug/l	95
47) Bromodichloromethane	9.496	83	44446	22.278	ug/l	98
48) Methyl methacrylate	9.295	41	13100	20.067	ug/l	95
49) 1,4-Dioxane	9.301	88	3934	423.063	ug/l #	100
51) 4-Methyl-2-Pentanone	10.069	43	83983	106.846	ug/l	99
52) Toluene	10.246	92	84056	22.095	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	40478	21.859	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	49493	21.996	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	25914	22.213	ug/l	98
56) Ethyl methacrylate	10.514	69	27089	20.454	ug/l	98
57) 1,3-Dichloropropane	10.794	76	41327	21.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	73174	108.698	ug/l	98
59) 2-Hexanone	10.837	43	61282	113.507	ug/l	99
60) Dibromochloromethane	10.990	129	31176	22.590	ug/l	100
61) 1,2-Dibromoethane	11.093	107	23792	22.131	ug/l	98
64) Tetrachloroethene	10.721	164	38942	21.355	ug/l	96
65) Chlorobenzene	11.520	112	90140	22.353	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	34448	22.802	ug/l	97
67) Ethyl Benzene	11.593	91	155385	21.971	ug/l	98
68) m/p-Xylenes	11.703	106	123831	44.560	ug/l	98
69) o-Xylene	12.032	106	57472	22.292	ug/l	98
70) Styrene	12.044	104	95039	22.208	ug/l	98
71) Bromoform	12.209	173	18958	22.645	ug/l #	97
73) Isopropylbenzene	12.331	105	152038	22.068	ug/l	99
74) N-amyl acetate	12.148	43	25859	21.281	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	27665	23.384	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17901m	20.316	ug/l	
77) Bromobenzene	12.611	156	36367	21.797	ug/l	96
78) n-propylbenzene	12.672	91	184945	22.372	ug/l	99
79) 2-Chlorotoluene	12.757	91	101733	21.980	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	122347	22.166	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	7919	20.651	ug/l	98
82) 4-Chlorotoluene	12.855	91	104152	22.001	ug/l	99
83) tert-Butylbenzene	13.081	119	108046	22.292	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	121816	22.354	ug/l	100
85) sec-Butylbenzene	13.257	105	167090	22.548	ug/l	100
86) p-Isopropyltoluene	13.373	119	134583	22.186	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	72759	21.726	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	72743	22.342	ug/l	99
89) n-Butylbenzene	13.696	91	123112	22.244	ug/l	99
90) Hexachloroethane	13.965	117	27829	22.882	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	64135	22.641	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3444	20.707	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	34498	23.056	ug/l	100
94) Hexachlorobutadiene	15.111	225	22054	23.873	ug/l	98
95) Naphthalene	15.239	128	54529	21.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	30062	23.420	ug/l	97

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

