

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013716.D
 Acq On : 11 May 2023 15:00
 Operator : KP/MD
 Sample : VY0511SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS02

Quant Time: May 12 04:42:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	210402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	291747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	123593	53.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.180%			
35) Dibromofluoromethane	7.716	113	108224	54.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.880%			
50) Toluene-d8	10.179	98	361303	51.088	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.477	95	133395	55.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	47146	23.570	ug/l	99
3) Chloromethane	2.107	50	56415	21.041	ug/l	99
4) Vinyl Chloride	2.247	62	56342	21.105	ug/l	95
5) Bromomethane	2.650	94	48254	22.682	ug/l	98
6) Chloroethane	2.790	64	38561	20.908	ug/l	97
7) Trichlorofluoromethane	3.119	101	98511	24.358	ug/l	98
8) Diethyl Ether	3.528	74	30911	22.445	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	53680	23.663	ug/l	97
10) Methyl Iodide	4.088	142	51170	17.959	ug/l	98
11) Tert butyl alcohol	4.924	59	48679	187.544	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	48937	22.380	ug/l	91
13) Acrolein	3.729	56	17467	80.677	ug/l	93
14) Allyl chloride	4.473	41	85310	21.026	ug/l	96
15) Acrylonitrile	5.161	53	86279	111.864	ug/l	99
16) Acetone	3.948	43	92093	101.389	ug/l #	88
17) Carbon Disulfide	4.186	76	142024	19.995	ug/l	99
18) Methyl Acetate	4.473	43	64640	21.547	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	138354	21.916	ug/l	100
20) Methylene Chloride	4.710	84	88779	27.571	ug/l #	87
21) trans-1,2-Dichloroethene	5.222	96	54889	22.958	ug/l	92
22) Diisopropyl ether	6.119	45	180550	22.767	ug/l	96
23) Vinyl Acetate	6.058	43	521063	116.045	ug/l	98
24) 1,1-Dichloroethane	6.015	63	102676	23.230	ug/l	98
25) 2-Butanone	6.984	43	119342	103.601	ug/l	94
26) 2,2-Dichloropropane	6.978	77	92786	24.362	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	61072	23.119	ug/l	94
28) Bromochloromethane	7.332	49	36612	23.343	ug/l	84
29) Tetrahydrofuran	7.344	42	73996	103.194	ug/l	93
30) Chloroform	7.503	83	107763	24.522	ug/l	98
31) Cyclohexane	7.783	56	85768	20.769	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	96353	24.571	ug/l	98
36) 1,1-Dichloropropene	7.911	75	76115	23.070	ug/l	99
37) Ethyl Acetate	7.076	43	53530	21.560	ug/l	95
38) Carbon Tetrachloride	7.893	117	88642	25.633	ug/l	93
39) Methylcyclohexane	9.185	83	86485	22.235	ug/l	97
40) Benzene	8.155	78	225375	24.250	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	27179m	23.491	ug/l	
42) 1,2-Dichloroethane	8.234	62	75393	24.813	ug/l	99
43) Isopropyl Acetate	8.271	43	93307	22.264	ug/l	97
44) Trichloroethene	8.935	130	60281	24.384	ug/l	95
45) 1,2-Dichloropropane	9.216	63	58389	24.028	ug/l	100
46) Dibromomethane	9.301	93	34723	23.881	ug/l	97
47) Bromodichloromethane	9.490	83	81907	25.175	ug/l #	98
48) Methyl methacrylate	9.289	41	41302	21.459	ug/l	95
49) 1,4-Dioxane	9.307	88	9035	435.090	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	255604	109.451	ug/l	97
52) Toluene	10.240	92	137141	24.521	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	82497	23.959	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	91587	23.639	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	47051	24.436	ug/l	94
56) Ethyl methacrylate	10.508	69	61294	22.945	ug/l	93
57) 1,3-Dichloropropane	10.789	76	78832	24.174	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	123514	123.304	ug/l	96
59) 2-Hexanone	10.831	43	184035	108.409	ug/l	95
60) Dibromochloromethane	10.984	129	58126	24.862	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44658	23.590	ug/l	99
64) Tetrachloroethene	10.715	164	53195	23.978	ug/l	98
65) Chlorobenzene	11.514	112	149158	23.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	57988	24.397	ug/l	98
67) Ethyl Benzene	11.593	91	260884	23.377	ug/l	98
68) m/p-Xylenes	11.697	106	202475	47.725	ug/l	97
69) o-Xylene	12.026	106	95096	23.701	ug/l	99
70) Styrene	12.044	104	162383	24.205	ug/l	99
71) Bromoform	12.209	173	39682	23.835	ug/l #	98
73) Isopropylbenzene	12.325	105	253053	22.089	ug/l	98
74) N-amyl acetate	12.142	43	79815	19.578	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	59100	21.106	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	41928m	20.526	ug/l	
77) Bromobenzene	12.605	156	64393	23.198	ug/l	96
78) n-propylbenzene	12.666	91	309301	21.920	ug/l	99
79) 2-Chlorotoluene	12.752	91	177847	22.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	215387	23.035	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	20507	20.536	ug/l	97
82) 4-Chlorotoluene	12.855	91	183402	22.331	ug/l	99
83) tert-Butylbenzene	13.075	119	180714	22.308	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	207771	22.855	ug/l	98
85) sec-Butylbenzene	13.251	105	275324	22.646	ug/l	99
86) p-Isopropyltoluene	13.367	119	222146	22.721	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	124175	23.481	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	124042	23.220	ug/l	99
89) n-Butylbenzene	13.697	91	210483	22.057	ug/l	98
90) Hexachloroethane	13.959	117	46650	22.671	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	110556	23.150	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10396	21.022	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	64866	22.782	ug/l	95
94) Hexachlorobutadiene	15.111	225	41233	24.883	ug/l	99
95) Naphthalene	15.233	128	125302	20.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58284	22.967	ug/l	99

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

