

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013777.D
 Acq On : 17 May 2023 15:39
 Operator : KP/MD
 Sample : VY0517SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0517SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

Quant Time: May 18 07:03:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	255105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	400935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	356850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	146862	49.557	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.120%		
35) Dibromofluoromethane	7.716	113	128385	49.935	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.880%		
50) Toluene-d8	10.179	98	500100	51.307	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.620%		
62) 4-Bromofluorobenzene	12.477	95	164357	50.766	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37577	20.516	ug/l	96
3) Chloromethane	2.113	50	56680	20.412	ug/l	99
4) Vinyl Chloride	2.253	62	56446	20.357	ug/l	99
5) Bromomethane	2.650	94	52890	21.511	ug/l	98
6) Chloroethane	2.790	64	40107	21.044	ug/l	100
7) Trichlorofluoromethane	3.125	101	82109	20.346	ug/l	96
8) Diethyl Ether	3.534	74	25531	18.907	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	48463	20.519	ug/l	98
10) Methyl Iodide	4.088	142	48853	18.827	ug/l	99
11) Tert butyl alcohol	4.930	59	43529	181.317	ug/l #	73
12) 1,1-Dichloroethene	3.869	96	42105	19.668	ug/l	97
13) Acrolein	3.735	56	40445	94.305	ug/l	100
14) Allyl chloride	4.479	41	84279	19.985	ug/l	99
15) Acrylonitrile	5.155	53	74577	94.175	ug/l	100
16) Acetone	3.960	43	78741	88.068	ug/l	95
17) Carbon Disulfide	4.192	76	120618	19.608	ug/l	98
18) Methyl Acetate	4.479	43	59352	19.041	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	126460	19.470	ug/l	100
20) Methylene Chloride	4.716	84	73089	23.914	ug/l	100
21) trans-1,2-Dichloroethene	5.222	96	48057	19.936	ug/l	93
22) Diisopropyl ether	6.119	45	180600	20.133	ug/l	98
23) Vinyl Acetate	6.058	43	505062	97.299	ug/l	99
24) 1,1-Dichloroethane	6.009	63	98663	20.120	ug/l	98
25) 2-Butanone	6.990	43	108882	93.680	ug/l	99
26) 2,2-Dichloropropane	6.978	77	85862	20.499	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	56668	19.951	ug/l	97
28) Bromochloromethane	7.332	49	35617	20.759	ug/l	98
29) Tetrahydrofuran	7.344	42	65340	93.955	ug/l	99
30) Chloroform	7.502	83	97586	19.748	ug/l	95
31) Cyclohexane	7.783	56	84938	19.991	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	85814	20.344	ug/l	99
36) 1,1-Dichloropropene	7.917	75	71637	20.166	ug/l	99
37) Ethyl Acetate	7.070	43	46399	18.988	ug/l	99
38) Carbon Tetrachloride	7.899	117	76288	20.357	ug/l	98
39) Methylcyclohexane	9.179	83	80276	19.882	ug/l	95
40) Benzene	8.161	78	207491	20.100	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	23815m	19.612	ug/l	
42) 1,2-Dichloroethane	8.234	62	65964	19.777	ug/l	100
43) Isopropyl Acetate	8.271	43	84396	19.029	ug/l	98
44) Trichloroethene	8.941	130	53481	19.818	ug/l	94
45) 1,2-Dichloropropane	9.216	63	57668	20.329	ug/l	94
46) Dibromomethane	9.301	93	31061	19.551	ug/l	98
47) Bromodichloromethane	9.496	83	75803	20.147	ug/l #	98
48) Methyl methacrylate	9.289	41	36754	18.040	ug/l	96
49) 1,4-Dioxane	9.301	88	7294	374.076	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	231617	93.779	ug/l	100
52) Toluene	10.240	92	129084	20.626	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	75087	19.356	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	85084	19.658	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	42644	19.735	ug/l	99
56) Ethyl methacrylate	10.508	69	54323	18.838	ug/l	96
57) 1,3-Dichloropropane	10.788	76	73783	19.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	107414	102.814	ug/l	100
59) 2-Hexanone	10.831	43	164850	93.901	ug/l	100
60) Dibromochloromethane	10.984	129	50857	19.424	ug/l	98
61) 1,2-Dibromoethane	11.087	107	39338	19.306	ug/l	98
64) Tetrachloroethene	10.715	164	45319	20.020	ug/l	98
65) Chlorobenzene	11.514	112	134264	19.878	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	51386	19.580	ug/l	99
67) Ethyl Benzene	11.587	91	245539	20.458	ug/l	97
68) m/p-Xylenes	11.697	106	185856	41.343	ug/l	100
69) o-Xylene	12.026	106	86748	20.286	ug/l	99
70) Styrene	12.038	104	145092	19.977	ug/l	99
71) Bromoform	12.203	173	33622	19.392	ug/l #	99
73) Isopropylbenzene	12.325	105	231631	20.222	ug/l	100
74) N-amyl acetate	12.142	43	73505	18.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	53447	19.697	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	41383m	20.209	ug/l	
77) Bromobenzene	12.605	156	56398	20.411	ug/l	98
78) n-propylbenzene	12.666	91	291086	20.630	ug/l	100
79) 2-Chlorotoluene	12.752	91	160809	20.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	190223	20.366	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	18386	19.990	ug/l	99
82) 4-Chlorotoluene	12.849	91	168709	20.338	ug/l	98
83) tert-Butylbenzene	13.069	119	164293	20.199	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	190738	20.836	ug/l	99
85) sec-Butylbenzene	13.251	105	255279	20.801	ug/l	99
86) p-Isopropyltoluene	13.367	119	205363	20.723	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	110727	20.584	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	108291	20.021	ug/l	98
89) n-Butylbenzene	13.690	91	199303	20.514	ug/l	99
90) Hexachloroethane	13.959	117	42762	20.420	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	97295	20.312	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7982	18.155	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	55168	19.408	ug/l	99
94) Hexachlorobutadiene	15.105	225	34550	19.566	ug/l	98
95) Naphthalene	15.233	128	101881	18.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	47075	18.407	ug/l	99

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

