

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014001.D
 Acq On : 05 Jun 2023 12:48
 Operator : KP/MD
 Sample : VY0605SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023

Quant Time: Jun 05 15:32:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	251438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	381213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	353679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	183603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	160248	48.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.280%		
35) Dibromofluoromethane	7.716	113	128755	53.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.300%		
50) Toluene-d8	10.179	98	484777	52.459	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.920%		
62) 4-Bromofluorobenzene	12.483	95	168608	53.519	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49260	22.266	ug/l	100
3) Chloromethane	2.113	50	57070	18.625	ug/l	98
4) Vinyl Chloride	2.253	62	55047	19.392	ug/l	100
5) Bromomethane	2.656	94	47998	19.419	ug/l	100
6) Chloroethane	2.790	64	40571	19.971	ug/l	99
7) Trichlorofluoromethane	3.125	101	97862	21.808	ug/l	98
8) Diethyl Ether	3.534	74	32440	18.440	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	51814	22.477	ug/l	99
10) Methyl Iodide	4.088	142	54357	17.110	ug/l	97
11) Tert butyl alcohol	4.930	59	70998	103.789	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	48724	20.159	ug/l	92
13) Acrolein	3.729	56	25634	81.830	ug/l	98
14) Allyl chloride	4.478	41	84921	18.105	ug/l	100
15) Acrylonitrile	5.173	53	92563	94.817	ug/l	100
16) Acetone	3.960	43	98701	86.673	ug/l	100
17) Carbon Disulfide	4.198	76	133062	16.281	ug/l	99
18) Methyl Acetate	4.478	43	74066	18.002	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	149099	19.067	ug/l	99
20) Methylene Chloride	4.716	84	63894	18.203	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	52863	19.310	ug/l	95
22) Diisopropyl ether	6.118	45	179907	19.787	ug/l	99
23) Vinyl Acetate	6.057	43	532987	93.461	ug/l	100
24) 1,1-Dichloroethane	6.015	63	99592	19.624	ug/l	99
25) 2-Butanone	6.990	43	126922	89.465	ug/l	96
26) 2,2-Dichloropropane	6.978	77	96568	20.967	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	61667	19.674	ug/l	99
28) Bromochloromethane	7.332	49	47844	19.962	ug/l	98
29) Tetrahydrofuran	7.356	42	83503	94.652	ug/l	99
30) Chloroform	7.508	83	106683	20.022	ug/l	98
31) Cyclohexane	7.783	56	80887	20.182	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	97658	21.607	ug/l	99
36) 1,1-Dichloropropene	7.917	75	75061	21.747	ug/l	99
37) Ethyl Acetate	7.076	43	61732	20.514	ug/l	99
38) Carbon Tetrachloride	7.899	117	89156	23.051	ug/l	98
39) Methylcyclohexane	9.185	83	82036	22.264	ug/l	99
40) Benzene	8.161	78	220215	20.683	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	22245	15.994	ug/l	90
42) 1,2-Dichloroethane	8.234	62	80472	20.611	ug/l	100
43) Isopropyl Acetate	8.270	43	98739	19.487	ug/l	98
44) Trichloroethene	8.941	130	60665	21.757	ug/l	96
45) 1,2-Dichloropropane	9.215	63	56555	20.583	ug/l	100
46) Dibromomethane	9.307	93	35296	20.065	ug/l	98
47) Bromodichloromethane	9.496	83	82344	20.780	ug/l	97
48) Methyl methacrylate	9.295	41	45490	19.724	ug/l	100
49) 1,4-Dioxane	9.307	88	9948	388.880	ug/l #	41
51) 4-Methyl-2-Pentanone	10.069	43	288417	100.776	ug/l	99
52) Toluene	10.246	92	139958	21.457	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	87800	20.627	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	92181	20.284	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	48783	21.036	ug/l	97
56) Ethyl methacrylate	10.508	69	67026	20.130	ug/l	98
57) 1,3-Dichloropropane	10.788	76	81941	20.679	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	102790	80.050	ug/l	99
59) 2-Hexanone	10.831	43	206933	99.854	ug/l	99
60) Dibromochloromethane	10.983	129	61900	21.119	ug/l	98
61) 1,2-Dibromoethane	11.087	107	47533	20.400	ug/l	100
64) Tetrachloroethene	10.721	164	57480	23.723	ug/l	95
65) Chlorobenzene	11.514	112	151641	20.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	60252	21.330	ug/l	100
67) Ethyl Benzene	11.593	91	268595	21.386	ug/l	100
68) m/p-Xylenes	11.703	106	208001	43.356	ug/l	97
69) o-Xylene	12.026	106	97190	21.142	ug/l	98
70) Styrene	12.044	104	168796	21.378	ug/l	99
71) Bromoform	12.209	173	43330	20.807	ug/l #	98
73) Isopropylbenzene	12.331	105	258175	21.304	ug/l	100
74) N-amyl acetate	12.142	43	86756	18.659	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	62065	19.596	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	47688m	19.301	ug/l	
77) Bromobenzene	12.605	156	66749	20.375	ug/l	99
78) n-propylbenzene	12.672	91	320977	21.611	ug/l	100
79) 2-Chlorotoluene	12.757	91	182175	20.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	222157	21.389	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	23121	19.853	ug/l	99
82) 4-Chlorotoluene	12.855	91	191378	20.696	ug/l	99
83) tert-Butylbenzene	13.075	119	186081	21.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	219678	21.176	ug/l	100
85) sec-Butylbenzene	13.251	105	279419	22.092	ug/l	100
86) p-Isopropyltoluene	13.367	119	235441	22.053	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	130392	20.959	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	130353	20.713	ug/l	99
89) n-Butylbenzene	13.696	91	220953	21.934	ug/l	99
90) Hexachloroethane	13.958	117	47225	21.076	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	118557	20.685	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12357	20.228	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	73320	20.810	ug/l	98
94) Hexachlorobutadiene	15.111	225	44452	23.686	ug/l	97
95) Naphthalene	15.239	128	152018	20.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	65135	20.297	ug/l	99

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

