

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014181.D
 Acq On : 15 Jun 2023 11:57
 Operator : KP/MD
 Sample : VY0615SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0615SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 02:05:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	178251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	276723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	262521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	134336	54.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.240%			
35) Dibromofluoromethane	7.716	113	116545	59.387	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.780%			
50) Toluene-d8	10.179	98	402352	54.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.680%			
62) 4-Bromofluorobenzene	12.483	95	153897	59.049	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50931	25.638	ug/l	97
3) Chloromethane	2.113	50	53582	21.272	ug/l	99
4) Vinyl Chloride	2.253	62	56141	22.924	ug/l	100
5) Bromomethane	2.637	94	43174	21.367	ug/l	97
6) Chloroethane	2.790	64	35414	21.281	ug/l	97
7) Trichlorofluoromethane	3.125	101	93818	23.581	ug/l	100
8) Diethyl Ether	3.528	74	29256	22.022	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	49269	24.537	ug/l	98
10) Methyl Iodide	4.088	142	48749	18.386	ug/l	96
11) Tert butyl alcohol	4.954	59	43761	143.565	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	45470	22.342	ug/l	97
13) Acrolein	3.735	56	18635	150.066	ug/l	99
14) Allyl chloride	4.479	41	76771	20.810	ug/l	98
15) Acrylonitrile	5.168	53	77690	113.377	ug/l	99
16) Acetone	3.948	43	81898	109.459	ug/l	98
17) Carbon Disulfide	4.192	76	133734	20.278	ug/l	100
18) Methyl Acetate	4.479	43	63894	22.001	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	131084	21.838	ug/l	98
20) Methylene Chloride	4.716	84	59165	22.820	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	48782	21.490	ug/l	99
22) Diisopropyl ether	6.125	45	160477	22.719	ug/l	95
23) Vinyl Acetate	6.064	43	458021	109.901	ug/l	99
24) 1,1-Dichloroethane	6.015	63	91343	22.429	ug/l	99
25) 2-Butanone	6.990	43	109072	118.427	ug/l	97
26) 2,2-Dichloropropane	6.984	77	89002	23.268	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	55741	21.951	ug/l	98
28) Bromochloromethane	7.338	49	38266	23.105	ug/l	95
29) Tetrahydrofuran	7.350	42	67105	114.902	ug/l	99
30) Chloroform	7.509	83	99174	22.954	ug/l	99
31) Cyclohexane	7.789	56	73200	22.014	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	91626	23.513	ug/l	99
36) 1,1-Dichloropropene	7.917	75	70084	22.907	ug/l	99
37) Ethyl Acetate	7.076	43	47355	22.432	ug/l	98
38) Carbon Tetrachloride	7.905	117	83222	23.572	ug/l	94
39) Methylcyclohexane	9.185	83	76461	22.525	ug/l	100
40) Benzene	8.161	78	208194	22.884	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21429m	19.890	ug/l	
42) 1,2-Dichloroethane	8.240	62	73086	22.717	ug/l	100
43) Isopropyl Acetate	8.277	43	83439	22.552	ug/l	99
44) Trichloroethene	8.941	130	55641	22.891	ug/l	99
45) 1,2-Dichloropropane	9.216	63	50910	22.031	ug/l	95
46) Dibromomethane	9.307	93	32114	22.577	ug/l	98
47) Bromodichloromethane	9.496	83	77333	23.219	ug/l	96
48) Methyl methacrylate	9.295	41	38024	22.034	ug/l	98
49) 1,4-Dioxane	9.295	88	8527	471.776	ug/l #	54
51) 4-Methyl-2-Pentanone	10.069	43	229531	114.187	ug/l	98
52) Toluene	10.246	92	131972	23.401	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	78452	22.376	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	85017	22.224	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	42641	22.601	ug/l	97
56) Ethyl methacrylate	10.508	69	56861	21.850	ug/l	99
57) 1,3-Dichloropropane	10.788	76	73254	22.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	80014	89.552	ug/l	96
59) 2-Hexanone	10.831	43	165765	114.177	ug/l	98
60) Dibromochloromethane	10.984	129	56623	23.449	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41957	22.533	ug/l	100
64) Tetrachloroethene	10.721	164	51264	22.910	ug/l	97
65) Chlorobenzene	11.514	112	141354	22.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	56459	22.756	ug/l	100
67) Ethyl Benzene	11.593	91	251833	22.808	ug/l	99
68) m/p-Xylenes	11.703	106	195945	46.137	ug/l	96
69) o-Xylene	12.032	106	92277	22.982	ug/l	98
70) Styrene	12.044	104	157933	23.046	ug/l	99
71) Bromoform	12.209	173	38836	22.856	ug/l #	99
73) Isopropylbenzene	12.331	105	242289	21.693	ug/l	100
74) N-amyl acetate	12.142	43	72331	20.436	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	52451	21.016	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	42368m	22.057	ug/l	
77) Bromobenzene	12.611	156	62887	21.422	ug/l	96
78) n-propylbenzene	12.672	91	299237	21.935	ug/l	99
79) 2-Chlorotoluene	12.758	91	169861	21.639	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	208865	21.840	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	18379	20.682	ug/l	97
82) 4-Chlorotoluene	12.855	91	180807	21.736	ug/l	100
83) tert-Butylbenzene	13.075	119	177628	21.856	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	211080	22.297	ug/l	100
85) sec-Butylbenzene	13.251	105	263937	22.338	ug/l	100
86) p-Isopropyltoluene	13.367	119	224285	22.179	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	123881	22.102	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	126486	22.398	ug/l	99
89) n-Butylbenzene	13.696	91	206393	22.005	ug/l	99
90) Hexachloroethane	13.959	117	44602	22.135	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	112012	22.251	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9933	20.900	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	70627	22.147	ug/l	99
94) Hexachlorobutadiene	15.111	225	42636	23.158	ug/l	98
95) Naphthalene	15.239	128	135906	20.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	63620	22.078	ug/l	99

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

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