

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014180.D
 Acq On : 15 Jun 2023 11:35
 Operator : KP/MD
 Sample : VY0615SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 02:04:52 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	173877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	265248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124861	51.569	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.140%			
35) Dibromofluoromethane	7.716	113	104547	53.569	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.140%			
50) Toluene-d8	10.179	98	360771	49.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.483	95	137255	52.956	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37469	19.336	ug/l	98
3) Chloromethane	2.113	50	46881	19.080	ug/l	99
4) Vinyl Chloride	2.253	62	45193	18.918	ug/l	98
5) Bromomethane	2.638	94	38621	19.594	ug/l	99
6) Chloroethane	2.790	64	30306	18.670	ug/l	97
7) Trichlorofluoromethane	3.125	101	74280	19.140	ug/l	100
8) Diethyl Ether	3.528	74	26561	20.496	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	38115	19.460	ug/l	100
10) Methyl Iodide	4.095	142	41643	16.101	ug/l	97
11) Tert butyl alcohol	4.942	59	41548	139.138	ug/l #	97
12) 1,1-Dichloroethene	3.875	96	36931	18.602	ug/l	98
13) Acrolein	3.729	56	16327	129.598	ug/l	100
14) Allyl chloride	4.479	41	66364	18.441	ug/l	96
15) Acrylonitrile	5.161	53	69221	103.559	ug/l	99
16) Acetone	3.948	43	77220	105.803	ug/l	97
17) Carbon Disulfide	4.192	76	111917	17.397	ug/l	100
18) Methyl Acetate	4.479	43	55588	19.622	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	118155	20.179	ug/l	97
20) Methylene Chloride	4.716	84	57773	22.848	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	43374	19.588	ug/l	95
22) Diisopropyl ether	6.119	45	143432	20.817	ug/l	99
23) Vinyl Acetate	6.064	43	406685	100.037	ug/l	99
24) 1,1-Dichloroethane	6.015	63	81679	20.560	ug/l	97
25) 2-Butanone	6.990	43	97376	108.387	ug/l	98
26) 2,2-Dichloropropane	6.978	77	74876	20.067	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	51921	20.961	ug/l	96
28) Bromochloromethane	7.332	49	34997	21.663	ug/l	96
29) Tetrahydrofuran	7.350	42	59473	104.395	ug/l	99
30) Chloroform	7.509	83	90920	21.573	ug/l	95
31) Cyclohexane	7.789	56	57304	17.667	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	75926	19.974	ug/l	99
36) 1,1-Dichloropropene	7.923	75	55841	18.353	ug/l	97
37) Ethyl Acetate	7.076	43	40956	19.509	ug/l	97
38) Carbon Tetrachloride	7.905	117	69267	19.728	ug/l	99
39) Methylcyclohexane	9.185	83	59534	17.636	ug/l	99
40) Benzene	8.161	78	184572	20.400	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	23738m	22.156	ug/l	
42) 1,2-Dichloroethane	8.240	62	67975	21.246	ug/l	99
43) Isopropyl Acetate	8.277	43	74402	20.221	ug/l	98
44) Trichloroethene	8.941	130	47752	19.755	ug/l	98
45) 1,2-Dichloropropane	9.216	63	46478	20.225	ug/l	97
46) Dibromomethane	9.307	93	28594	20.214	ug/l	98
47) Bromodichloromethane	9.496	83	70752	21.361	ug/l	98
48) Methyl methacrylate	9.295	41	33877	19.740	ug/l	99
49) 1,4-Dioxane	9.301	88	8276	460.431	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	206682	103.391	ug/l	99
52) Toluene	10.246	92	114487	20.413	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	72066	20.668	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	79916	21.007	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	39568	21.089	ug/l	95
56) Ethyl methacrylate	10.508	69	51661	19.962	ug/l	97
57) 1,3-Dichloropropane	10.788	76	67524	21.042	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	70849	82.872	ug/l	99
59) 2-Hexanone	10.831	43	149981	103.878	ug/l	99
60) Dibromochloromethane	10.984	129	51996	21.652	ug/l	99
61) 1,2-Dibromoethane	11.087	107	38028	20.537	ug/l	100
64) Tetrachloroethene	10.721	164	43472	19.228	ug/l	98
65) Chlorobenzene	11.520	112	128996	20.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	51102	20.385	ug/l	98
67) Ethyl Benzene	11.593	91	220907	19.801	ug/l	98
68) m/p-Xylenes	11.703	106	169345	39.464	ug/l	99
69) o-Xylene	12.032	106	85249	21.013	ug/l	97
70) Styrene	12.044	104	144608	20.885	ug/l	99
71) Bromoform	12.209	173	35502	20.679	ug/l #	98
73) Isopropylbenzene	12.331	105	209358	18.538	ug/l	100
74) N-amyl acetate	12.142	43	67245	18.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	48273	19.130	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	39023m	20.092	ug/l	
77) Bromobenzene	12.611	156	57032	19.214	ug/l	96
78) n-propylbenzene	12.672	91	253573	18.383	ug/l	99
79) 2-Chlorotoluene	12.758	91	151768	19.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	189543	19.601	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	16819	18.719	ug/l	95
82) 4-Chlorotoluene	12.855	91	158081	18.795	ug/l	97
83) tert-Butylbenzene	13.075	119	147175	17.910	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	191299	19.985	ug/l	99
85) sec-Butylbenzene	13.258	105	218466	18.286	ug/l	99
86) p-Isopropyltoluene	13.373	119	189581	18.541	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	115471	20.375	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	115841	20.287	ug/l	99
89) n-Butylbenzene	13.697	91	173476	18.292	ug/l	99
90) Hexachloroethane	13.965	117	39611	19.442	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	104671	20.564	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8957	18.639	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	65606	20.347	ug/l	100
94) Hexachlorobutadiene	15.111	225	35729	19.193	ug/l	98
95) Naphthalene	15.239	128	119815	18.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58273	20.000	ug/l	99

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

