

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015460.D
 Acq On : 07 Sep 2023 10:35
 Operator : SY/MD
 Sample : VY0907SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0907SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

Quant Time: Sep 07 23:06:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	182826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	298950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100165	51.108	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.220%			
35) Dibromofluoromethane	7.710	113	90023	52.282	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.560%			
50) Toluene-d8	10.173	98	308581	49.487	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.477	95	118979	51.397	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24709	15.548	ug/l	97
3) Chloromethane	2.107	50	31588	14.966	ug/l	96
4) Vinyl Chloride	2.241	62	37491	15.261	ug/l	96
5) Bromomethane	2.613	94	31350	17.935	ug/l	94
6) Chloroethane	2.778	64	27486	17.022	ug/l	97
7) Trichlorofluoromethane	3.107	101	60212	17.327	ug/l	97
8) Diethyl Ether	3.515	74	23045	19.405	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	33863	17.582	ug/l	97
10) Methyl Iodide	4.076	142	32212	14.242	ug/l	98
11) Tert butyl alcohol	4.948	59	54414	112.937	ug/l #	87
12) 1,1-Dichloroethene	3.851	96	31019	17.068	ug/l	86
13) Acrolein	3.723	56	31582	66.948	ug/l	96
14) Allyl chloride	4.460	41	53052	18.334	ug/l	97
15) Acrylonitrile	5.149	53	78219	104.671	ug/l	99
16) Acetone	3.942	43	90397	110.504	ug/l	96
17) Carbon Disulfide	4.180	76	65373	12.032	ug/l	99
18) Methyl Acetate	4.466	43	59354	20.032	ug/l	93
19) Methyl tert-butyl Ether	5.204	73	122172	20.683	ug/l	97
20) Methylene Chloride	4.698	84	52411	15.298	ug/l	92
21) trans-1,2-Dichloroethene	5.204	96	36389	17.388	ug/l	94
22) Diisopropyl ether	6.112	45	122953	19.428	ug/l	91
23) Vinyl Acetate	6.051	43	391528	97.987	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	69276	18.936	ug/l	98
25) 2-Butanone	6.978	43	127605	109.981	ug/l	94
26) 2,2-Dichloropropane	6.972	77	63622	20.475	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	45893	19.330	ug/l	96
28) Bromochloromethane	7.325	49	21755	19.392	ug/l	93
29) Tetrahydrofuran	7.344	42	74889	102.784	ug/l	91
30) Chloroform	7.496	83	77598	20.177	ug/l	98
31) Cyclohexane	7.777	56	53091	15.250	ug/l	88
32) 1,1,1-Trichloroethane	7.691	97	66472	19.351	ug/l	98
36) 1,1-Dichloropropene	7.911	75	52584	17.392	ug/l	100
37) Ethyl Acetate	7.063	43	47832	20.513	ug/l #	95
38) Carbon Tetrachloride	7.892	117	57359	18.369	ug/l	94
39) Methylcyclohexane	9.179	83	59723	15.690	ug/l	94
40) Benzene	8.155	78	156046	18.499	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23583m	21.567	ug/l	
42) 1,2-Dichloroethane	8.228	62	56206	19.982	ug/l	94
43) Isopropyl Acetate	8.270	43	83473	20.701	ug/l	98
44) Trichloroethene	8.935	130	45624	19.116	ug/l	96
45) 1,2-Dichloropropane	9.209	63	41051	19.305	ug/l	99
46) Dibromomethane	9.301	93	27970	19.801	ug/l	98
47) Bromodichloromethane	9.490	83	62391	20.654	ug/l	100
48) Methyl methacrylate	9.289	41	36038	19.479	ug/l	91
49) 1,4-Dioxane	9.295	88	11422	435.339	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	251982	107.518	ug/l	94
52) Toluene	10.240	92	104705	19.366	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	65713	20.470	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	70342	20.143	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	39880	20.954	ug/l	97
56) Ethyl methacrylate	10.508	69	57838	20.507	ug/l	92
57) 1,3-Dichloropropane	10.788	76	66617	20.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	104409	103.714	ug/l	93
59) 2-Hexanone	10.831	43	191612	108.961	ug/l	92
60) Dibromochloromethane	10.983	129	47794	21.455	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39406	20.433	ug/l	99
64) Tetrachloroethene	10.715	164	51504	20.551	ug/l	96
65) Chlorobenzene	11.514	112	118633	19.938	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	45360	20.828	ug/l	98
67) Ethyl Benzene	11.587	91	205097	19.197	ug/l	99
68) m/p-Xylenes	11.697	106	158334	38.233	ug/l	97
69) o-Xylene	12.026	106	78132	19.741	ug/l	97
70) Styrene	12.038	104	133749	20.098	ug/l	98
71) Bromoform	12.203	173	33375	21.969	ug/l #	100
73) Isopropylbenzene	12.325	105	205588	19.112	ug/l	100
74) N-amyl acetate	12.142	43	72776	20.138	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	51910	20.215	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	39031m	20.552	ug/l	
77) Bromobenzene	12.605	156	51508	20.217	ug/l	99
78) n-propylbenzene	12.666	91	246716	18.955	ug/l	98
79) 2-Chlorotoluene	12.751	91	141176	19.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	173683	19.304	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	17019	19.768	ug/l	97
82) 4-Chlorotoluene	12.849	91	149107	19.652	ug/l	99
83) tert-Butylbenzene	13.074	119	152998	19.414	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	176733	19.783	ug/l	98
85) sec-Butylbenzene	13.251	105	226663	19.283	ug/l	100
86) p-Isopropyltoluene	13.367	119	193196	19.611	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	101024	20.085	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	103792	20.414	ug/l	99
89) n-Butylbenzene	13.696	91	181234	19.546	ug/l	97
90) Hexachloroethane	13.958	117	35443	20.116	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	94967	20.690	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11022	21.698	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	62565	21.704	ug/l	98
94) Hexachlorobutadiene	15.111	225	33210	21.128	ug/l	98
95) Naphthalene	15.233	128	163079	22.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	57516	21.875	ug/l	98

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

