

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014451.D
 Acq On : 27 Jun 2023 12:27
 Operator : KP/MD
 Sample : VY0627SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0627SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/28/2023
 Supervised By :Mahesh Dadoda 06/28/2023

Quant Time: Jun 27 17:05:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	250409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	361744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	337610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	148399	47.731	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.460%		
35) Dibromofluoromethane	7.722	113	109833	49.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.280%		
50) Toluene-d8	10.185	98	436778	49.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.320%		
62) 4-Bromofluorobenzene	12.483	95	155834	49.133	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49764	21.409	ug/l	99
3) Chloromethane	2.113	50	40609	17.852	ug/l	98
4) Vinyl Chloride	2.253	62	45981	18.547	ug/l	93
5) Bromomethane	2.631	94	42687	19.596	ug/l	95
6) Chloroethane	2.790	64	30949	18.846	ug/l	96
7) Trichlorofluoromethane	3.125	101	98705	20.165	ug/l	100
8) Diethyl Ether	3.527	74	27652	18.529	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	43765	18.918	ug/l	94
10) Methyl Iodide	4.088	142	50153	18.336	ug/l	92
11) Tert butyl alcohol	4.948	59	56178	129.024	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	44169	19.146	ug/l	92
13) Acrolein	3.729	56	35879	89.186	ug/l	99
14) Allyl chloride	4.485	41	62583	16.986	ug/l #	86
15) Acrylonitrile	5.167	53	72654	87.063	ug/l	97
16) Acetone	3.948	43	77944	79.672	ug/l	97
17) Carbon Disulfide	4.198	76	132890	18.615	ug/l	98
18) Methyl Acetate	4.478	43	54858	16.311	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	134827	19.002	ug/l	96
20) Methylene Chloride	4.716	84	52040	14.470	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	49019	19.325	ug/l	93
22) Diisopropyl ether	6.125	45	121270	16.563	ug/l #	95
23) Vinyl Acetate	6.064	43	380700	101.839	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	77824	17.900	ug/l	98
25) 2-Butanone	6.990	43	98416	80.767	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	89718	19.515	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	53249	18.649	ug/l	96
28) Bromochloromethane	7.338	49	32233	16.999	ug/l #	67
29) Tetrahydrofuran	7.356	42	58419	80.403	ug/l #	84
30) Chloroform	7.508	83	92790	18.919	ug/l	97
31) Cyclohexane	7.789	56	66643	17.354	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	92224	19.755	ug/l	98
36) 1,1-Dichloropropene	7.923	75	64864	18.834	ug/l	98
37) Ethyl Acetate	7.076	43	38596	16.261	ug/l #	94
38) Carbon Tetrachloride	7.905	117	88624	20.448	ug/l	98
39) Methylcyclohexane	9.185	83	75225	18.985	ug/l	96
40) Benzene	8.161	78	185092	18.975	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	21351m	18.151	ug/l	
42) 1,2-Dichloroethane	8.240	62	72066	19.486	ug/l	100
43) Isopropyl Acetate	8.277	43	73521	17.542	ug/l #	96
44) Trichloroethene	8.941	130	54504	19.462	ug/l	93
45) 1,2-Dichloropropane	9.215	63	41177	17.903	ug/l	100
46) Dibromomethane	9.307	93	29119	18.527	ug/l	93
47) Bromodichloromethane	9.496	83	70395	19.216	ug/l	99
48) Methyl methacrylate	9.295	41	33975	17.454	ug/l	89
49) 1,4-Dioxane	9.301	88	8519	346.645	ug/l #	45
51) 4-Methyl-2-Pentanone	10.075	43	203915	86.208	ug/l	97
52) Toluene	10.246	92	125210	19.950	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	75173	18.927	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	76959	18.786	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	40976	19.469	ug/l	93
56) Ethyl methacrylate	10.514	69	55729	18.541	ug/l	94
57) 1,3-Dichloropropane	10.794	76	66915	18.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	128146	91.016	ug/l #	88
59) 2-Hexanone	10.831	43	151722	85.122	ug/l	96
60) Dibromochloromethane	10.990	129	55458	19.864	ug/l	99
61) 1,2-Dibromoethane	11.093	107	39194	18.704	ug/l	99
64) Tetrachloroethene	10.721	164	59371	20.666	ug/l	96
65) Chlorobenzene	11.520	112	135859	19.588	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	55084	19.716	ug/l	97
67) Ethyl Benzene	11.593	91	241981	19.592	ug/l	97
68) m/p-Xylenes	11.703	106	193540	40.120	ug/l	97
69) o-Xylene	12.032	106	89221	19.437	ug/l	98
70) Styrene	12.044	104	158247	20.115	ug/l	99
71) Bromoform	12.209	173	41362	20.031	ug/l #	99
73) Isopropylbenzene	12.331	105	244242	19.366	ug/l	98
74) N-amyl acetate	12.148	43	66787	16.721	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	46669	17.315	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	35448m	15.088	ug/l	
77) Bromobenzene	12.611	156	63495	19.363	ug/l	89
78) n-propylbenzene	12.672	91	293165	19.268	ug/l	98
79) 2-Chlorotoluene	12.757	91	164328	18.911	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	215790	19.779	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	18069	17.509	ug/l	91
82) 4-Chlorotoluene	12.855	91	176387	19.054	ug/l	96
83) tert-Butylbenzene	13.075	119	189688	20.281	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	213327	19.733	ug/l	99
85) sec-Butylbenzene	13.257	105	266053	19.671	ug/l	98
86) p-Isopropyltoluene	13.373	119	235747	20.131	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	126561	20.010	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	126516	19.897	ug/l	100
89) n-Butylbenzene	13.696	91	206444	19.294	ug/l	98
90) Hexachloroethane	13.958	117	43009	19.306	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	114683	19.862	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10669	17.910	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	76215	20.317	ug/l	99
94) Hexachlorobutadiene	15.111	225	45397	20.146	ug/l	99
95) Naphthalene	15.239	128	154878	19.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	68763	20.131	ug/l	99

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

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