

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014424.D
 Acq On : 26 Jun 2023 11:21
 Operator : KP/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/27/2023
 Supervised By :Mahesh Dadoda 06/27/2023

Quant Time: Jun 27 01:44:25 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	7.789	168	233069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	316445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	149461	51.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.300%			
35) Dibromofluoromethane	7.722	113	107397	51.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.360%			
50) Toluene-d8	10.179	98	430118	52.063	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.483	95	154536	52.396	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48834	22.572	ug/l	97
3) Chloromethane	2.113	50	41170	19.446	ug/l	99
4) Vinyl Chloride	2.247	62	46604	20.196	ug/l	95
5) Bromomethane	2.631	94	42569	20.996	ug/l	95
6) Chloroethane	2.784	64	32551	21.296	ug/l	92
7) Trichlorofluoromethane	3.119	101	98339	21.585	ug/l	100
8) Diethyl Ether	3.527	74	28089	20.222	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	43726	20.307	ug/l	95
10) Methyl Iodide	4.082	142	49812	19.373	ug/l	91
11) Tert butyl alcohol	4.960	59	41870	95.071	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	43422	20.223	ug/l	91
13) Acrolein	3.728	56	35907	95.569	ug/l	98
14) Allyl chloride	4.478	41	63197	18.429	ug/l #	86
15) Acrylonitrile	5.161	53	70312	90.526	ug/l	99
16) Acetone	3.948	43	77100	84.673	ug/l	100
17) Carbon Disulfide	4.192	76	132725	19.975	ug/l	99
18) Methyl Acetate	4.478	43	53711	17.158	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	136139	20.614	ug/l	95
20) Methylene Chloride	4.710	84	56596	17.961	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	47251	20.014	ug/l	98
22) Diisopropyl ether	6.118	45	123265	18.088	ug/l #	96
23) Vinyl Acetate	6.057	43	382731	109.999	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	77660	19.191	ug/l	99
25) 2-Butanone	6.984	43	92883	81.897	ug/l	92
26) 2,2-Dichloropropane	6.978	77	86515	20.219	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	52119	19.611	ug/l	96
28) Bromochloromethane	7.338	49	32115	18.197	ug/l #	72
29) Tetrahydrofuran	7.350	42	57600	85.174	ug/l #	86
30) Chloroform	7.508	83	91395	20.021	ug/l	91
31) Cyclohexane	7.789	56	65126	18.221	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	90995	20.942	ug/l	98
36) 1,1-Dichloropropene	7.917	75	65632	20.493	ug/l	99
37) Ethyl Acetate	7.075	43	38366	17.382	ug/l #	94
38) Carbon Tetrachloride	7.898	117	87315	21.665	ug/l	97
39) Methylcyclohexane	9.185	83	75909	20.601	ug/l	94
40) Benzene	8.161	78	186712	20.584	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23277m	21.280	ug/l	
42) 1,2-Dichloroethane	8.240	62	72976	21.219	ug/l	99
43) Isopropyl Acetate	8.270	43	71220	18.274	ug/l #	94
44) Trichloroethene	8.941	130	54272	20.839	ug/l	99
45) 1,2-Dichloropropane	9.215	63	40679	19.020	ug/l	100
46) Dibromomethane	9.307	93	28966	19.818	ug/l	93
47) Bromodichloromethane	9.496	83	69937	20.530	ug/l #	96
48) Methyl methacrylate	9.295	41	33191	18.336	ug/l	89
49) 1,4-Dioxane	9.295	88	8799	385.021	ug/l #	63
51) 4-Methyl-2-Pentanone	10.069	43	198801	90.380	ug/l	96
52) Toluene	10.246	92	125293	21.467	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	75772	20.516	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	78735	20.668	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	39103	19.980	ug/l	97
56) Ethyl methacrylate	10.508	69	54593	19.532	ug/l	93
57) 1,3-Dichloropropane	10.794	76	65118	19.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	129211	98.689	ug/l #	89
59) 2-Hexanone	10.831	43	150338	90.703	ug/l	98
60) Dibromochloromethane	10.983	129	54339	20.930	ug/l	98
61) 1,2-Dibromoethane	11.087	107	39514	20.278	ug/l	99
64) Tetrachloroethene	10.721	164	57783	21.458	ug/l	96
65) Chlorobenzene	11.520	112	135405	20.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	54594	20.847	ug/l	97
67) Ethyl Benzene	11.593	91	239676	20.704	ug/l	96
68) m/p-Xylenes	11.703	106	191285	42.305	ug/l	98
69) o-Xylene	12.032	106	91401	21.244	ug/l	97
70) Styrene	12.044	104	155971	21.151	ug/l	100
71) Bromoform	12.209	173	40498	20.924	ug/l #	97
73) Isopropylbenzene	12.331	105	243213	20.065	ug/l	99
74) N-amyl acetate	12.142	43	65629	17.096	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	46216	17.841	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	33438m	14.808	ug/l	
77) Bromobenzene	12.611	156	63397	20.116	ug/l	90
78) n-propylbenzene	12.672	91	290242	19.848	ug/l	97
79) 2-Chlorotoluene	12.757	91	165282	19.790	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	213439	20.356	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	17904	18.051	ug/l	92
82) 4-Chlorotoluene	12.855	91	178469	20.060	ug/l	97
83) tert-Butylbenzene	13.074	119	179824	20.005	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	214494	20.644	ug/l	99
85) sec-Butylbenzene	13.251	105	265008	20.386	ug/l	98
86) p-Isopropyltoluene	13.373	119	233146	20.715	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	125898	20.711	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	126781	20.745	ug/l	100
89) n-Butylbenzene	13.696	91	207580	20.186	ug/l	97
90) Hexachloroethane	13.958	117	43688	20.404	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	115564	20.824	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10793	18.852	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	76389	21.187	ug/l	98
94) Hexachlorobutadiene	15.111	225	46370	21.411	ug/l	99
95) Naphthalene	15.239	128	154071	19.876	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	68220	20.780	ug/l	98

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

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