

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013058.D
 Acq On : 23 Mar 2023 13:33
 Operator : KP/MD
 Sample : VY0323SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0323SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/24/2023
 Supervised By :Mahesh Dadoda 03/24/2023

Quant Time: Mar 24 05:02:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	104109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	165466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	144101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58738	56.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.640%			
35) Dibromofluoromethane	7.710	113	55455	55.534	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.060%			
50) Toluene-d8	10.179	98	189454	51.896	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.800%			
62) 4-Bromofluorobenzene	12.477	95	68892	55.911	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19209	18.720	ug/l	98
3) Chloromethane	2.113	50	21266	17.335	ug/l	98
4) Vinyl Chloride	2.247	62	21667	19.261	ug/l	94
5) Bromomethane	2.631	94	14273	20.881	ug/l	92
6) Chloroethane	2.784	64	13469	19.992	ug/l	99
7) Trichlorofluoromethane	3.119	101	35836	19.180	ug/l	99
8) Diethyl Ether	3.521	74	13380	20.436	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	23762	21.139	ug/l	98
10) Methyl Iodide	4.082	142	26152	17.855	ug/l	98
11) Tert butyl alcohol	4.954	59	15546	120.321	ug/l	98
12) 1,1-Dichloroethene	3.863	96	20576	19.193	ug/l	96
13) Acrolein	3.729	56	13717	75.744	ug/l	96
14) Allyl chloride	4.472	41	40791	20.598	ug/l	97
15) Acrylonitrile	5.155	53	39824	115.437	ug/l	98
16) Acetone	3.942	43	46759	115.249	ug/l	99
17) Carbon Disulfide	4.186	76	63367	17.365	ug/l	98
18) Methyl Acetate	4.472	43	28713	23.765	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	60314	21.781	ug/l	100
20) Methylene Chloride	4.704	84	31025	22.056	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	22880	19.639	ug/l	95
22) Diisopropyl ether	6.118	45	83672	23.262	ug/l	97
23) Vinyl Acetate	6.051	43	252766	113.099	ug/l	97
24) 1,1-Dichloroethane	6.009	63	44122	21.527	ug/l	97
25) 2-Butanone	6.978	43	61204	121.794	ug/l	93
26) 2,2-Dichloropropane	6.978	77	37999	20.874	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	24945	19.971	ug/l	93
28) Bromochloromethane	7.332	49	17115	22.850	ug/l	90
29) Tetrahydrofuran	7.344	42	36591	120.730	ug/l	95
30) Chloroform	7.502	83	44367	21.915	ug/l	98
31) Cyclohexane	7.783	56	40060	20.236	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	39596	21.627	ug/l	98
36) 1,1-Dichloropropene	7.911	75	34562	20.654	ug/l	99
37) Ethyl Acetate	7.069	43	25299	23.986	ug/l	98
38) Carbon Tetrachloride	7.899	117	37117	21.479	ug/l	99
39) Methylcyclohexane	9.179	83	39159	19.683	ug/l	98
40) Benzene	8.155	78	98760	20.864	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11640	20.484	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	30975	21.765	ug/l	100
43) Isopropyl Acetate	8.270	43	40369	21.453	ug/l	98
44) Trichloroethene	8.935	130	26593	21.308	ug/l	95
45) 1,2-Dichloropropane	9.209	63	25748	21.523	ug/l	95
46) Dibromomethane	9.301	93	15414	22.616	ug/l	99
47) Bromodichloromethane	9.496	83	35170	21.898	ug/l	99
48) Methyl methacrylate	9.289	41	18549	21.393	ug/l	97
49) 1,4-Dioxane	9.295	88	4535	514.720	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	119731	117.299	ug/l	99
52) Toluene	10.240	92	60809	21.301	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	36682	21.775	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	40486	21.233	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	21688	22.850	ug/l	97
56) Ethyl methacrylate	10.508	69	28239	22.313	ug/l	98
57) 1,3-Dichloropropane	10.788	76	35760	22.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	75336	113.393	ug/l	100
59) 2-Hexanone	10.831	43	89070	120.064	ug/l	99
60) Dibromochloromethane	10.983	129	25526	22.093	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20430	22.345	ug/l	98
64) Tetrachloroethene	10.715	164	23675	22.566	ug/l	97
65) Chlorobenzene	11.514	112	64230	21.238	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	23840	21.303	ug/l	99
67) Ethyl Benzene	11.587	91	108611	20.426	ug/l	99
68) m/p-Xylenes	11.703	106	82519	40.341	ug/l	100
69) o-Xylene	12.026	106	39565	20.725	ug/l	99
70) Styrene	12.044	104	67970	21.335	ug/l	99
71) Bromoform	12.209	173	15826	21.690	ug/l #	97
73) Isopropylbenzene	12.325	105	101696	20.017	ug/l	100
74) N-amyl acetate	12.142	43	37467	23.439	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	26523	23.224	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	17857m	20.860	ug/l	
77) Bromobenzene	12.605	156	26035	21.095	ug/l	99
78) n-propylbenzene	12.672	91	134411	21.459	ug/l	99
79) 2-Chlorotoluene	12.757	91	74643	21.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	84985	20.270	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	8936	21.630	ug/l	95
82) 4-Chlorotoluene	12.849	91	75846	21.048	ug/l	99
83) tert-Butylbenzene	13.074	119	79054	21.846	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	84506	20.612	ug/l	98
85) sec-Butylbenzene	13.251	105	113165	20.498	ug/l	99
86) p-Isopropyltoluene	13.367	119	92516	20.505	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	49455	20.776	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	50264	20.690	ug/l	98
89) n-Butylbenzene	13.696	91	90153	20.872	ug/l	99
90) Hexachloroethane	13.958	117	20353	21.658	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	47401	22.029	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4869	26.380	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	31021	23.415	ug/l	99
94) Hexachlorobutadiene	15.111	225	19432	24.048	ug/l	99
95) Naphthalene	15.233	128	63083	23.761	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	28376	24.083	ug/l	99

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

