

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013110.D
 Acq On : 28 Mar 2023 12:39
 Operator : KP/MD
 Sample : VY0328SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0328SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/29/2023
 Supervised By :Mahesh Dadoda 03/29/2023

Quant Time: Mar 29 02:27:02 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	99543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	153680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	139545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51210	51.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.620%	
35) Dibromofluoromethane	7.716	113	51269	55.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.560%	
50) Toluene-d8	10.179	98	156420	46.133	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.260%	
62) 4-Bromofluorobenzene	12.483	95	62890	54.954	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19477	19.851	ug/l	95
3) Chloromethane	2.113	50	21736	18.531	ug/l	99
4) Vinyl Chloride	2.253	62	21580	20.063	ug/l	100
5) Bromomethane	2.643	94	13871	21.224	ug/l	99
6) Chloroethane	2.790	64	14305	22.207	ug/l	100
7) Trichlorofluoromethane	3.125	101	38112	21.334	ug/l	95
8) Diethyl Ether	3.527	74	12443	19.876	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	22507	20.941	ug/l	99
10) Methyl Iodide	4.094	142	25651	18.317	ug/l	96
11) Tert butyl alcohol	4.948	59	12865	101.189	ug/l	96
12) 1,1-Dichloroethene	3.875	96	20198	19.704	ug/l	94
13) Acrolein	3.729	56	9420	54.402	ug/l	97
14) Allyl chloride	4.478	41	39331	20.772	ug/l	97
15) Acrylonitrile	5.161	53	35056	106.277	ug/l	99
16) Acetone	3.942	43	41041	105.795	ug/l	97
17) Carbon Disulfide	4.192	76	61287	17.565	ug/l	100
18) Methyl Acetate	4.478	43	25418	22.002	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	55197	20.847	ug/l	99
20) Methylene Chloride	4.716	84	29686	22.077	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	22979	20.628	ug/l	96
22) Diisopropyl ether	6.118	45	79282	23.053	ug/l	96
23) Vinyl Acetate	6.057	43	229885	107.579	ug/l	99
24) 1,1-Dichloroethane	6.009	63	44104	22.505	ug/l	99
25) 2-Butanone	6.984	43	51465	107.111	ug/l	96
26) 2,2-Dichloropropane	6.984	77	38204	21.949	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	25707	21.525	ug/l	98
28) Bromochloromethane	7.332	49	16170	22.578	ug/l	92
29) Tetrahydrofuran	7.350	42	30879	106.557	ug/l	97
30) Chloroform	7.502	83	42821	22.121	ug/l	98
31) Cyclohexane	7.783	56	37842	19.992	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	38954	22.252	ug/l	97
36) 1,1-Dichloropropene	7.911	75	33285	21.416	ug/l	99
37) Ethyl Acetate	7.076	43	21566	22.015	ug/l	98
38) Carbon Tetrachloride	7.899	117	35740	22.268	ug/l	99
39) Methylcyclohexane	9.185	83	35447	19.184	ug/l	95
40) Benzene	8.161	78	95896	21.812	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10916m	20.683	ug/l	
42) 1,2-Dichloroethane	8.234	62	29736	22.497	ug/l	100
43) Isopropyl Acetate	8.270	43	37429	21.416	ug/l	99
44) Trichloroethene	8.941	130	24950	21.525	ug/l	96
45) 1,2-Dichloropropane	9.215	63	24901	22.411	ug/l	94
46) Dibromomethane	9.307	93	13995	22.109	ug/l	98
47) Bromodichloromethane	9.496	83	33615	22.535	ug/l #	98
48) Methyl methacrylate	9.295	41	16506	20.497	ug/l	96
49) 1,4-Dioxane	9.301	88	3515	429.547	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	105074	110.834	ug/l	98
52) Toluene	10.246	92	57885	21.832	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	33895	21.663	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	37598	21.230	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	19978	22.663	ug/l	99
56) Ethyl methacrylate	10.508	69	24235	20.618	ug/l	94
57) 1,3-Dichloropropane	10.788	76	34574	23.027	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	63590	103.054	ug/l	99
59) 2-Hexanone	10.831	43	76112	110.466	ug/l	99
60) Dibromochloromethane	10.983	129	24405	22.743	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19060	22.445	ug/l	98
64) Tetrachloroethene	10.721	164	22941	22.580	ug/l	99
65) Chlorobenzene	11.514	112	63895	21.817	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	24846	22.927	ug/l	99
67) Ethyl Benzene	11.593	91	111401	21.635	ug/l	98
68) m/p-Xylenes	11.703	106	86094	43.463	ug/l	98
69) o-Xylene	12.032	106	41195	22.283	ug/l	96
70) Styrene	12.044	104	68748	22.284	ug/l	99
71) Bromoform	12.209	173	15191	21.499	ug/l #	98
73) Isopropylbenzene	12.331	105	108221	20.970	ug/l	100
74) N-amyl acetate	12.142	43	31564	19.439	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	24467	21.091	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18719m	21.527	ug/l	
77) Bromobenzene	12.611	156	25572	20.397	ug/l	97
78) n-propylbenzene	12.672	91	134969	21.213	ug/l	99
79) 2-Chlorotoluene	12.757	91	74316	21.016	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	89560	21.029	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	8282	19.735	ug/l	98
82) 4-Chlorotoluene	12.855	91	77913	21.285	ug/l	98
83) tert-Butylbenzene	13.074	119	78596	21.381	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	88104	21.156	ug/l	99
85) sec-Butylbenzene	13.251	105	118411	21.115	ug/l	99
86) p-Isopropyltoluene	13.367	119	97635	21.302	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	51239	21.191	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	51905	21.033	ug/l	98
89) n-Butylbenzene	13.696	91	89947	20.500	ug/l	99
90) Hexachloroethane	13.958	117	19698	20.635	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	45602	20.863	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4048	21.591	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	26519	19.705	ug/l	99
94) Hexachlorobutadiene	15.111	225	16763	20.422	ug/l	97
95) Naphthalene	15.239	128	47119	17.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	22501	18.799	ug/l	98

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

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