

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033123\
 Data File : VY013159.D
 Acq On : 31 Mar 2023 11:37
 Operator : KP/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/03/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Apr 01 00:06:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 05:07:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	135776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	184773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72755	49.861	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.720%			
35) Dibromofluoromethane	7.716	113	66447	50.112	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.179	98	251158	50.174	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.483	95	84378	51.785	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27450	20.623	ug/l	97
3) Chloromethane	2.113	50	25009	18.018	ug/l	96
4) Vinyl Chloride	2.253	62	24585	17.666	ug/l	98
5) Bromomethane	2.643	94	17789	18.113	ug/l	99
6) Chloroethane	2.790	64	15932	18.276	ug/l	97
7) Trichlorofluoromethane	3.125	101	49935	20.161	ug/l	98
8) Diethyl Ether	3.527	74	15407	19.810	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	26459	19.377	ug/l	95
10) Methyl Iodide	4.094	142	35038	19.705	ug/l	99
11) Tert butyl alcohol	4.954	59	15683	119.250	ug/l	96
12) 1,1-Dichloroethene	3.869	96	25934	19.647	ug/l	95
13) Acrolein	3.723	56	17842	96.675	ug/l	99
14) Allyl chloride	4.479	41	40930	18.198	ug/l	93
15) Acrylonitrile	5.161	53	38955	100.795	ug/l	98
16) Acetone	3.948	43	40221	90.143	ug/l	93
17) Carbon Disulfide	4.192	76	84264	19.168	ug/l	100
18) Methyl Acetate	4.479	43	28490	20.265	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	68434	20.459	ug/l	99
20) Methylene Chloride	4.710	84	33351	18.241	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	29290	19.694	ug/l	96
22) Diisopropyl ether	6.118	45	85402	19.435	ug/l	98
23) Vinyl Acetate	6.057	43	250539	100.262	ug/l	99
24) 1,1-Dichloroethane	6.015	63	49718	19.104	ug/l	98
25) 2-Butanone	6.984	43	54905	98.411	ug/l	98
26) 2,2-Dichloropropane	6.984	77	45387	19.390	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	31746	19.813	ug/l	97
28) Bromochloromethane	7.332	49	21023	18.826	ug/l	90
29) Tetrahydrofuran	7.350	42	33864	102.535	ug/l	96
30) Chloroform	7.508	83	51781	19.214	ug/l	99
31) Cyclohexane	7.783	56	45088	18.927	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	47412	19.898	ug/l	99
36) 1,1-Dichloropropene	7.917	75	40298	20.188	ug/l	99
37) Ethyl Acetate	7.069	43	23670	20.874	ug/l	99
38) Carbon Tetrachloride	7.899	117	44414	20.165	ug/l	98
39) Methylcyclohexane	9.185	83	47256	20.179	ug/l	96
40) Benzene	8.161	78	114345	19.833	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	10120m	20.117	ug/l	
42) 1,2-Dichloroethane	8.234	62	35862	20.302	ug/l	99
43) Isopropyl Acetate	8.271	43	41047	20.223	ug/l	97
44) Trichloroethene	8.941	130	32026	20.178	ug/l	92
45) 1,2-Dichloropropane	9.215	63	27843	19.286	ug/l	97
46) Dibromomethane	9.307	93	16354	19.719	ug/l	93
47) Bromodichloromethane	9.496	83	39242	19.610	ug/l #	97
48) Methyl methacrylate	9.295	41	18699	19.781	ug/l	93
49) 1,4-Dioxane	9.295	88	4525	458.623	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	114036	104.101	ug/l	100
52) Toluene	10.246	92	72188	20.185	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	41072	20.080	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	46033	19.705	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	23032	20.090	ug/l	99
56) Ethyl methacrylate	10.508	69	30003	20.815	ug/l	98
57) 1,3-Dichloropropane	10.788	76	38308	19.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	69199	102.674	ug/l	97
59) 2-Hexanone	10.831	43	81617	103.020	ug/l	98
60) Dibromochloromethane	10.983	129	29549	20.522	ug/l	100
61) 1,2-Dibromoethane	11.087	107	22326	20.099	ug/l	99
64) Tetrachloroethene	10.721	164	28833	20.298	ug/l	99
65) Chlorobenzene	11.514	112	77870	19.852	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	29606	20.132	ug/l	98
67) Ethyl Benzene	11.593	91	134876	19.908	ug/l	100
68) m/p-Xylenes	11.703	106	107168	40.892	ug/l	98
69) o-Xylene	12.032	106	49331	20.294	ug/l	98
70) Styrene	12.044	104	83664	20.574	ug/l	100
71) Bromoform	12.209	173	19323	21.190	ug/l #	96
73) Isopropylbenzene	12.331	105	130740	20.044	ug/l	99
74) N-amyl acetate	12.142	43	35808	19.995	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	27800	20.348	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	21550m	20.301	ug/l	
77) Bromobenzene	12.611	156	33532	20.678	ug/l	93
78) n-propylbenzene	12.672	91	160570	20.022	ug/l	100
79) 2-Chlorotoluene	12.758	91	90103	19.800	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	110863	20.330	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9890	20.778	ug/l	98
82) 4-Chlorotoluene	12.855	91	95037	20.066	ug/l	99
83) tert-Butylbenzene	13.075	119	95139	20.312	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	108290	20.278	ug/l	99
85) sec-Butylbenzene	13.251	105	141269	19.975	ug/l	99
86) p-Isopropyltoluene	13.367	119	120023	20.615	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	64714	20.131	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	64688	20.082	ug/l	99
89) n-Butylbenzene	13.696	91	107487	19.749	ug/l	99
90) Hexachloroethane	13.965	117	23496	19.372	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	56234	19.588	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4537	19.956	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	33901	20.250	ug/l	99
94) Hexachlorobutadiene	15.111	225	20335	19.750	ug/l	98
95) Naphthalene	15.233	128	61979	19.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29300	19.864	ug/l	98

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

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