

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033123\
 Data File : VY013158.D
 Acq On : 31 Mar 2023 11:14
 Operator : KP/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 00:05:40 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	130590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	71057	50.631	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.260%			
35) Dibromofluoromethane	7.716	113	64383	50.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.060%			
50) Toluene-d8	10.179	98	243034	50.029	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.060%			
62) 4-Bromofluorobenzene	12.483	95	81431	51.498	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26177	20.448	ug/l	98
3) Chloromethane	2.113	50	23106	17.308	ug/l	98
4) Vinyl Chloride	2.253	62	23463	17.530	ug/l	99
5) Bromomethane	2.643	94	17367	18.385	ug/l	94
6) Chloroethane	2.790	64	15297	18.245	ug/l	99
7) Trichlorofluoromethane	3.125	101	48979	20.561	ug/l	97
8) Diethyl Ether	3.527	74	15714	21.007	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	25678	19.552	ug/l	97
10) Methyl Iodide	4.094	142	31992	18.706	ug/l	97
11) Tert butyl alcohol	4.954	59	15946	126.065	ug/l	98
12) 1,1-Dichloroethene	3.875	96	24564	19.348	ug/l	98
13) Acrolein	3.729	56	18966	106.846	ug/l	99
14) Allyl chloride	4.479	41	41266	19.076	ug/l	96
15) Acrylonitrile	5.161	53	40276	108.352	ug/l	98
16) Acetone	3.948	43	41433	96.547	ug/l	99
17) Carbon Disulfide	4.192	76	81235	19.213	ug/l	100
18) Methyl Acetate	4.479	43	27956	20.674	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	68671	21.345	ug/l	100
20) Methylene Chloride	4.716	84	33983	19.682	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	28243	19.744	ug/l	93
22) Diisopropyl ether	6.118	45	83111	19.665	ug/l	93
23) Vinyl Acetate	6.057	43	249822	103.946	ug/l	99
24) 1,1-Dichloroethane	6.015	63	48277	19.287	ug/l	99
25) 2-Butanone	6.984	43	56179	104.693	ug/l	99
26) 2,2-Dichloropropane	6.978	77	44674	19.843	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	30843	20.014	ug/l	98
28) Bromochloromethane	7.338	49	20164	18.774	ug/l	89
29) Tetrahydrofuran	7.350	42	35099	110.495	ug/l	97
30) Chloroform	7.508	83	50836	19.612	ug/l	98
31) Cyclohexane	7.789	56	43968	19.190	ug/l #	89
32) 1,1,1-Trichloroethane	7.704	97	46181	20.151	ug/l	99
36) 1,1-Dichloropropene	7.923	75	38444	19.845	ug/l	99
37) Ethyl Acetate	7.076	43	24845	22.577	ug/l	99
38) Carbon Tetrachloride	7.899	117	43250	20.234	ug/l	99
39) Methylcyclohexane	9.185	83	45103	19.846	ug/l	95
40) Benzene	8.161	78	110913	19.823	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11682m	23.929	ug/l	
42) 1,2-Dichloroethane	8.240	62	35772	20.868	ug/l	99
43) Isopropyl Acetate	8.271	43	41880	21.261	ug/l	98
44) Trichloroethene	8.941	130	30743	19.960	ug/l	97
45) 1,2-Dichloropropane	9.215	63	27330	19.507	ug/l	99
46) Dibromomethane	9.307	93	16693	20.740	ug/l	95
47) Bromodichloromethane	9.496	83	39052	20.109	ug/l #	97
48) Methyl methacrylate	9.295	41	18961	20.669	ug/l	94
49) 1,4-Dioxane	9.301	88	4604	480.837	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	117822	110.832	ug/l	97
52) Toluene	10.246	92	70434	20.294	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	40465	20.385	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	45659	20.140	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	23509	21.131	ug/l	94
56) Ethyl methacrylate	10.508	69	29654	21.200	ug/l	97
57) 1,3-Dichloropropane	10.788	76	38946	20.736	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	71237	108.915	ug/l	96
59) 2-Hexanone	10.831	43	85196	110.812	ug/l	99
60) Dibromochloromethane	10.983	129	28705	20.543	ug/l	100
61) 1,2-Dibromoethane	11.087	107	22316	20.702	ug/l	96
64) Tetrachloroethene	10.721	164	28303	20.642	ug/l	98
65) Chlorobenzene	11.514	112	76846	20.296	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	28825	20.307	ug/l	99
67) Ethyl Benzene	11.593	91	130731	19.992	ug/l	99
68) m/p-Xylenes	11.703	106	104697	41.389	ug/l	98
69) o-Xylene	12.032	106	47890	20.411	ug/l	97
70) Styrene	12.044	104	82443	21.005	ug/l	100
71) Bromoform	12.209	173	19433	22.078	ug/l #	97
73) Isopropylbenzene	12.331	105	127147	20.217	ug/l	98
74) N-amyl acetate	12.142	43	36327	21.037	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	27646	20.986	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18403m	17.980	ug/l	
77) Bromobenzene	12.611	156	32076	20.514	ug/l	95
78) n-propylbenzene	12.672	91	157094	20.315	ug/l	100
79) 2-Chlorotoluene	12.758	91	87254	19.885	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	108316	20.600	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	10111	22.031	ug/l	99
82) 4-Chlorotoluene	12.855	91	92054	20.158	ug/l	100
83) tert-Butylbenzene	13.075	119	91968	20.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	106368	20.657	ug/l	100
85) sec-Butylbenzene	13.251	105	139943	20.522	ug/l	100
86) p-Isopropyltoluene	13.367	119	116243	20.707	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	64372	20.768	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	63069	20.306	ug/l	99
89) n-Butylbenzene	13.696	91	105496	20.102	ug/l	99
90) Hexachloroethane	13.959	117	23536	20.126	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	57457	20.757	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4591	20.943	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	32662	20.233	ug/l	96
94) Hexachlorobutadiene	15.111	225	20520	20.669	ug/l	99
95) Naphthalene	15.239	128	61898	20.165	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29807	20.958	ug/l	99

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

