

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012556.D
 Acq On : 09 Feb 2023 10:59
 Operator : KP/MD
 Sample : VY0209SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0209SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 09 16:38:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	131652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	183509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87639	52.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.700%			
35) Dibromofluoromethane	7.715	113	75420	51.980	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.960%			
50) Toluene-d8	10.178	98	307868	50.978	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.960%			
62) 4-Bromofluorobenzene	12.483	95	104511	49.613	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22470	22.191	ug/l	100
3) Chloromethane	2.113	50	21737	21.191	ug/l	98
4) Vinyl Chloride	2.253	62	26029	20.368	ug/l	97
5) Bromomethane	2.643	94	23459	23.624	ug/l	98
6) Chloroethane	2.789	64	19005	21.365	ug/l	98
7) Trichlorofluoromethane	3.125	101	54697	20.823	ug/l	97
8) Diethyl Ether	3.527	74	16939	21.748	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	27170	20.483	ug/l	99
10) Methyl Iodide	4.094	142	30832	17.930	ug/l	99
11) Tert butyl alcohol	4.954	59	15133	87.741	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	27090	20.670	ug/l	95
13) Acrolein	3.728	56	21199	107.714	ug/l	100
14) Allyl chloride	4.478	41	32114	20.096	ug/l	98
15) Acrylonitrile	5.161	53	40365	112.330	ug/l	100
16) Acetone	3.948	43	42147	104.600	ug/l	99
17) Carbon Disulfide	4.192	76	71115	20.919	ug/l	98
18) Methyl Acetate	4.478	43	20218	20.876	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	82375	21.479	ug/l	97
20) Methylene Chloride	4.716	84	34629	20.519	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	30348	21.232	ug/l	99
22) Diisopropyl ether	6.118	45	69628	21.429	ug/l	94
23) Vinyl Acetate	6.057	43	212687	108.579	ug/l	99
24) 1,1-Dichloroethane	6.015	63	48941	21.070	ug/l	99
25) 2-Butanone	6.990	43	48510	108.509	ug/l	100
26) 2,2-Dichloropropane	6.978	77	50597	19.826	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	34648	20.888	ug/l	99
28) Bromochloromethane	7.337	49	17830	21.117	ug/l	99
29) Tetrahydrofuran	7.350	42	27467	113.647	ug/l	98
30) Chloroform	7.508	83	59450	21.228	ug/l	100
31) Cyclohexane	7.782	56	39270	20.288	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	56617	20.833	ug/l	99
36) 1,1-Dichloropropene	7.917	75	40051	20.395	ug/l	99
37) Ethyl Acetate	7.069	43	19278	21.756	ug/l	99
38) Carbon Tetrachloride	7.898	117	54760	20.774	ug/l	99
39) Methylcyclohexane	9.185	83	47335	20.032	ug/l	96
40) Benzene	8.160	78	120097	20.706	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	11664m	24.027	ug/l	
42) 1,2-Dichloroethane	8.240	62	40219	21.394	ug/l	100
43) Isopropyl Acetate	8.270	43	34942	21.269	ug/l	100
44) Trichloroethene	8.941	130	36517	20.683	ug/l	98
45) 1,2-Dichloropropane	9.215	63	25329	20.140	ug/l	100
46) Dibromomethane	9.307	93	17912	21.510	ug/l	99
47) Bromodichloromethane	9.496	83	44671	20.689	ug/l #	98
48) Methyl methacrylate	9.294	41	16258	21.650	ug/l	100
49) 1,4-Dioxane	9.300	88	4951	430.685	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	98561	111.194	ug/l	100
52) Toluene	10.245	92	81592	20.744	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	44959	20.664	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	48420	20.565	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	26431	21.722	ug/l	94
56) Ethyl methacrylate	10.508	69	33554	21.949	ug/l	97
57) 1,3-Dichloropropane	10.788	76	41625	21.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	79592	115.832	ug/l	97
59) 2-Hexanone	10.831	43	74172	110.728	ug/l	98
60) Dibromochloromethane	10.983	129	34981	21.567	ug/l	100
61) 1,2-Dibromoethane	11.087	107	25139	22.050	ug/l	100
64) Tetrachloroethene	10.721	164	42403	22.133	ug/l	96
65) Chlorobenzene	11.520	112	90412	20.772	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	36200	21.224	ug/l	97
67) Ethyl Benzene	11.593	91	155631	20.367	ug/l	99
68) m/p-Xylenes	11.703	106	126900	41.606	ug/l	98
69) o-Xylene	12.032	106	60226	20.734	ug/l	99
70) Styrene	12.044	104	102054	20.716	ug/l	99
71) Bromoform	12.209	173	23804	22.080	ug/l #	100
73) Isopropylbenzene	12.330	105	162669	19.522	ug/l	100
74) N-amyl acetate	12.141	43	30356	20.125	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.580	83	26862	19.937	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	23383m	20.322	ug/l	
77) Bromobenzene	12.611	156	40261	19.935	ug/l	99
78) n-propylbenzene	12.672	91	190304	19.843	ug/l	100
79) 2-Chlorotoluene	12.757	91	107991	19.835	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	142575	19.877	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	10369	20.321	ug/l	98
82) 4-Chlorotoluene	12.855	91	112137	19.634	ug/l	100
83) tert-Butylbenzene	13.074	119	123769	19.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	142302	20.162	ug/l	99
85) sec-Butylbenzene	13.251	105	177870	19.766	ug/l	99
86) p-Isopropyltoluene	13.367	119	155165	19.876	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	81447	20.269	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	79655	19.789	ug/l	98
89) n-Butylbenzene	13.696	91	130482	19.557	ug/l	99
90) Hexachloroethane	13.958	117	28393	19.815	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	71732	19.843	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	5563	20.748	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	45443	20.288	ug/l	99
94) Hexachlorobutadiene	15.110	225	27569	19.813	ug/l	99
95) Naphthalene	15.232	128	88124	20.495	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	39239	20.239	ug/l	99

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

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