

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013022.D
 Acq On : 21 Mar 2023 13:13
 Operator : KP/MD
 Sample : VY0321SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0321SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023

Quant Time: Mar 22 04:18:31 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	107712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	166737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	151018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51819	48.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.900%		
35) Dibromofluoromethane	7.716	113	52119	51.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.580%		
50) Toluene-d8	10.179	98	165886	45.094	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.180%		
62) 4-Bromofluorobenzene	12.483	95	63610	51.231	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21781	20.516	ug/l	96
3) Chloromethane	2.113	50	21454	16.903	ug/l	100
4) Vinyl Chloride	2.253	62	20629	17.725	ug/l	99
5) Bromomethane	2.638	94	14823	20.960	ug/l	85
6) Chloroethane	2.790	64	13451	19.298	ug/l	96
7) Trichlorofluoromethane	3.125	101	35144	18.181	ug/l	97
8) Diethyl Ether	3.528	74	14731	21.746	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.900	101	25040	21.531	ug/l	99
10) Methyl Iodide	4.088	142	29505	19.471	ug/l	98
11) Tert butyl alcohol	4.954	59	18502	141.705	ug/l	98
12) 1,1-Dichloroethene	3.869	96	23424	21.118	ug/l	96
13) Acrolein	3.729	56	14711	78.515	ug/l	99
14) Allyl chloride	4.479	41	43024	20.999	ug/l	99
15) Acrylonitrile	5.161	53	42735	119.732	ug/l	99
16) Acetone	3.948	43	48949	116.611	ug/l	100
17) Carbon Disulfide	4.192	76	69037	18.286	ug/l	99
18) Methyl Acetate	4.473	43	29572	23.657	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	65361	22.814	ug/l	98
20) Methylene Chloride	4.710	84	32489	22.398	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	25141	20.858	ug/l	98
22) Diisopropyl ether	6.119	45	86349	23.203	ug/l	96
23) Vinyl Acetate	6.058	43	266417	115.220	ug/l	100
24) 1,1-Dichloroethane	6.015	63	46397	21.880	ug/l	98
25) 2-Butanone	6.984	43	64647	124.342	ug/l	97
26) 2,2-Dichloropropane	6.978	77	41043	21.792	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	28272	21.877	ug/l	100
28) Bromochloromethane	7.332	49	17719	22.865	ug/l	97
29) Tetrahydrofuran	7.344	42	39193	124.990	ug/l	99
30) Chloroform	7.509	83	46488	22.194	ug/l	95
31) Cyclohexane	7.783	56	40649	19.846	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	41415	21.864	ug/l	99
36) 1,1-Dichloropropene	7.917	75	35350	20.964	ug/l	97
37) Ethyl Acetate	7.070	43	26453	24.889	ug/l	98
38) Carbon Tetrachloride	7.899	117	37214	21.371	ug/l	98
39) Methylcyclohexane	9.179	83	39809	19.857	ug/l	97
40) Benzene	8.161	78	103075	21.609	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11494m	20.073	ug/l	
42) 1,2-Dichloroethane	8.234	62	31893	22.239	ug/l	98
43) Isopropyl Acetate	8.271	43	45121	23.795	ug/l	99
44) Trichloroethene	8.935	130	26809	21.317	ug/l	98
45) 1,2-Dichloropropane	9.216	63	26223	21.753	ug/l	97
46) Dibromomethane	9.307	93	15714	22.881	ug/l	99
47) Bromodichloromethane	9.496	83	36384	22.481	ug/l #	97
48) Methyl methacrylate	9.295	41	20634	23.616	ug/l	98
49) 1,4-Dioxane	9.295	88	4508	507.756	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	131486	127.833	ug/l	99
52) Toluene	10.246	92	63562	22.095	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	37796	22.265	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	41801	21.755	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	22287	23.302	ug/l	98
56) Ethyl methacrylate	10.508	69	29716	23.301	ug/l	98
57) 1,3-Dichloropropane	10.789	76	37733	23.163	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	80218	119.821	ug/l	99
59) 2-Hexanone	10.831	43	96206	128.695	ug/l	100
60) Dibromochloromethane	10.984	129	26362	22.643	ug/l	98
61) 1,2-Dibromoethane	11.087	107	20998	22.791	ug/l	97
64) Tetrachloroethene	10.721	164	23607	21.470	ug/l	98
65) Chlorobenzene	11.514	112	67028	21.148	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	26108	22.261	ug/l	99
67) Ethyl Benzene	11.593	91	118650	21.292	ug/l	98
68) m/p-Xylenes	11.703	106	92131	42.977	ug/l	100
69) o-Xylene	12.026	106	42935	21.460	ug/l	99
70) Styrene	12.044	104	72751	21.790	ug/l	99
71) Bromoform	12.209	173	17214	22.511	ug/l #	99
73) Isopropylbenzene	12.331	105	114117	20.081	ug/l	99
74) N-amyl acetate	12.142	43	39152	21.896	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	29041	22.733	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	20981m	21.911	ug/l	
77) Bromobenzene	12.605	156	28870	20.912	ug/l	99
78) n-propylbenzene	12.672	91	144833	20.671	ug/l	98
79) 2-Chlorotoluene	12.758	91	80672	20.717	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	97136	20.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9809	21.225	ug/l	97
82) 4-Chlorotoluene	12.855	91	84942	21.073	ug/l	97
83) tert-Butylbenzene	13.075	119	84084	20.772	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	94477	20.601	ug/l	100
85) sec-Butylbenzene	13.251	105	127874	20.707	ug/l	99
86) p-Isopropyltoluene	13.367	119	103535	20.514	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	57163	21.468	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	55916	20.576	ug/l	96
89) n-Butylbenzene	13.697	91	98498	20.386	ug/l	100
90) Hexachloroethane	13.959	117	22247	21.163	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	52014	21.610	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4617	22.363	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	30172	20.359	ug/l	96
94) Hexachlorobutadiene	15.111	225	18406	20.363	ug/l	98
95) Naphthalene	15.233	128	62927	21.189	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	27241	20.668	ug/l	97

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

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