

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015823.D
 Acq On : 04 Oct 2023 13:16
 Operator : SY/MD
 Sample : VY1004SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1004SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023

Quant Time: Oct 04 15:55:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	215131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	344237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109481	46.252	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.500%		
35) Dibromofluoromethane	7.710	113	98269	47.695	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.380%		
50) Toluene-d8	10.179	98	341520	48.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.780%		
62) 4-Bromofluorobenzene	12.477	95	132257	48.242	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	26075	18.388	ug/l	97
3) Chloromethane	2.107	50	32320	18.066	ug/l	99
4) Vinyl Chloride	2.241	62	39963	19.537	ug/l	93
5) Bromomethane	2.637	94	24774	14.558	ug/l	98
6) Chloroethane	2.778	64	27119	17.887	ug/l	98
7) Trichlorofluoromethane	3.107	101	73355	21.384	ug/l	100
8) Diethyl Ether	3.521	74	29182	19.948	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	43973	20.473	ug/l	97
10) Methyl Iodide	4.082	142	40050	17.720	ug/l	98
11) Tert butyl alcohol	4.985	59	78024m	143.782	ug/l	
12) 1,1-Dichloroethene	3.857	96	37133	19.620	ug/l	91
13) Acrolein	3.729	56	21064	58.106	ug/l	94
14) Allyl chloride	4.466	41	64941	18.767	ug/l	94
15) Acrylonitrile	5.161	53	114029	106.257	ug/l	99
16) Acetone	3.954	43	128629	101.544	ug/l	92
17) Carbon Disulfide	4.186	76	60263	16.390	ug/l	98
18) Methyl Acetate	4.479	43	96566	22.721	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	160401	20.808	ug/l	99
20) Methylene Chloride	4.704	84	76281	25.085	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	41316	19.098	ug/l	92
22) Diisopropyl ether	6.119	45	160825	19.312	ug/l	92
23) Vinyl Acetate	6.051	43	498504	96.980	ug/l	96
24) 1,1-Dichloroethane	6.009	63	87980	19.382	ug/l	95
25) 2-Butanone	6.984	43	183649	102.569	ug/l	97
26) 2,2-Dichloropropane	6.972	77	80294	19.353	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	55088	19.181	ug/l	96
28) Bromochloromethane	7.332	49	25123	20.400	ug/l	92
29) Tetrahydrofuran	7.350	42	109362	108.065	ug/l	91
30) Chloroform	7.502	83	97333	20.023	ug/l	97
31) Cyclohexane	7.783	56	61424	18.732	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	83288	20.755	ug/l	99
36) 1,1-Dichloropropene	7.911	75	62321	20.457	ug/l	100
37) Ethyl Acetate	7.070	43	69286	22.801	ug/l	96
38) Carbon Tetrachloride	7.899	117	72448	21.909	ug/l	98
39) Methylcyclohexane	9.179	83	69643	20.669	ug/l	93
40) Benzene	8.155	78	188270	20.265	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	39060m	23.873	ug/l	
42) 1,2-Dichloroethane	8.234	62	68893	21.653	ug/l	94
43) Isopropyl Acetate	8.271	43	113863	21.936	ug/l	98
44) Trichloroethene	8.935	130	55682	21.459	ug/l	97
45) 1,2-Dichloropropane	9.216	63	52659	20.326	ug/l	99
46) Dibromomethane	9.301	93	35428	21.378	ug/l	96
47) Bromodichloromethane	9.496	83	78106	21.144	ug/l	96
48) Methyl methacrylate	9.289	41	49881	21.893	ug/l	91
49) 1,4-Dioxane	9.313	88	17473	533.687	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	373097	115.968	ug/l	94
52) Toluene	10.240	92	124146	20.728	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	83416	21.058	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	87181	20.446	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	52225	21.504	ug/l	98
56) Ethyl methacrylate	10.508	69	78055	21.809	ug/l	90
57) 1,3-Dichloropropane	10.788	76	86178	21.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	76586	67.366	ug/l	94
59) 2-Hexanone	10.831	43	288212	116.765	ug/l	91
60) Dibromochloromethane	10.984	129	61431	21.668	ug/l	100
61) 1,2-Dibromoethane	11.087	107	50789	21.376	ug/l	99
64) Tetrachloroethene	10.715	164	60346	22.568	ug/l	97
65) Chlorobenzene	11.514	112	145749	21.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	57454	21.742	ug/l	98
67) Ethyl Benzene	11.593	91	253705	21.337	ug/l	99
68) m/p-Xylenes	11.703	106	191816	42.442	ug/l	96
69) o-Xylene	12.026	106	94140	21.242	ug/l	100
70) Styrene	12.044	104	166321	21.925	ug/l	96
71) Bromoform	12.203	173	43916	22.934	ug/l #	99
73) Isopropylbenzene	12.325	105	260907	21.446	ug/l	100
74) N-amyl acetate	12.142	43	98509	21.544	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	73772	21.789	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	56591m	21.874	ug/l	
77) Bromobenzene	12.605	156	63193	21.161	ug/l	93
78) n-propylbenzene	12.672	91	314356	21.270	ug/l	100
79) 2-Chlorotoluene	12.758	91	177870	21.113	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	218409	21.445	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	25539	22.230	ug/l	95
82) 4-Chlorotoluene	12.855	91	186418	21.197	ug/l	100
83) tert-Butylbenzene	13.075	119	197543	22.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	220445	21.633	ug/l	99
85) sec-Butylbenzene	13.251	105	295148	22.110	ug/l	100
86) p-Isopropyltoluene	13.367	119	246538	22.109	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	128945	21.765	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	127105	21.452	ug/l	98
89) n-Butylbenzene	13.696	91	237034	22.449	ug/l	97
90) Hexachloroethane	13.959	117	45940	21.347	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	122104	22.327	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15923	23.679	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	78491	22.798	ug/l	99
94) Hexachlorobutadiene	15.111	225	41984	23.812	ug/l	98
95) Naphthalene	15.233	128	216948	24.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	73180	23.029	ug/l	98

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

