

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015562.D
 Acq On : 15 Sep 2023 12:00
 Operator : SY/MD
 Sample : VY0915SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0915SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023
 Supervised By :Semsettin Yesilyurt 09/18/2023

Quant Time: Sep 15 15:35:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	307027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	281596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94880	48.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.680%		
35) Dibromofluoromethane	7.716	113	88297	49.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.860%		
50) Toluene-d8	10.179	98	295773	46.185	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.380%		
62) 4-Bromofluorobenzene	12.477	95	115732	48.680	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24761	15.558	ug/l	91
3) Chloromethane	2.107	50	32601	15.424	ug/l	100
4) Vinyl Chloride	2.247	62	37872	15.394	ug/l	98
5) Bromomethane	2.631	94	30825	17.609	ug/l	96
6) Chloroethane	2.784	64	28649	17.717	ug/l	92
7) Trichlorofluoromethane	3.119	101	61910	17.790	ug/l	98
8) Diethyl Ether	3.528	74	24593	20.679	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	38011	19.707	ug/l	94
10) Methyl Iodide	4.088	142	37198	16.423	ug/l	99
11) Tert butyl alcohol	4.930	59	80889	179.115	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	33174	18.227	ug/l	86
13) Acrolein	3.729	56	28604	61.661	ug/l	100
14) Allyl chloride	4.473	41	57080	19.698	ug/l	96
15) Acrylonitrile	5.161	53	81404	108.777	ug/l	99
16) Acetone	3.948	43	96971	118.370	ug/l	97
17) Carbon Disulfide	4.192	76	66387	12.201	ug/l	96
18) Methyl Acetate	4.479	43	61970	20.885	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	130239	22.017	ug/l	100
20) Methylene Chloride	4.710	84	63405	19.948	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	38447	18.345	ug/l	95
22) Diisopropyl ether	6.119	45	139058	21.942	ug/l	94
23) Vinyl Acetate	6.058	43	421829	105.419	ug/l	95
24) 1,1-Dichloroethane	6.015	63	77157	21.060	ug/l	98
25) 2-Butanone	6.984	43	134386	115.659	ug/l	95
26) 2,2-Dichloropropane	6.978	77	70712	22.725	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	50528	21.252	ug/l	97
28) Bromochloromethane	7.332	49	23447	20.870	ug/l	94
29) Tetrahydrofuran	7.350	42	74696	102.372	ug/l	92
30) Chloroform	7.503	83	84512	21.944	ug/l	98
31) Cyclohexane	7.783	56	56833	16.301	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	72381	21.041	ug/l	99
36) 1,1-Dichloropropene	7.917	75	55725	17.946	ug/l	100
37) Ethyl Acetate	7.076	43	49444	20.646	ug/l #	97
38) Carbon Tetrachloride	7.899	117	61515	19.181	ug/l	94
39) Methylcyclohexane	9.179	83	64977	16.622	ug/l	94
40) Benzene	8.155	78	173048	19.975	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20201	17.988	ug/l	87
42) 1,2-Dichloroethane	8.234	62	59818	20.707	ug/l	96
43) Isopropyl Acetate	8.271	43	86480	20.883	ug/l	96
44) Trichloroethene	8.941	130	49783	20.310	ug/l	96
45) 1,2-Dichloropropane	9.216	63	46193	21.151	ug/l	91
46) Dibromomethane	9.301	93	30450	20.990	ug/l	96
47) Bromodichloromethane	9.496	83	68732	22.155	ug/l	100
48) Methyl methacrylate	9.295	41	38280	20.147	ug/l	92
49) 1,4-Dioxane	9.295	88	10218	379.205	ug/l #	41
51) 4-Methyl-2-Pentanone	10.069	43	259623	107.864	ug/l	93
52) Toluene	10.240	92	112911	20.335	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	70270	21.313	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	77690	21.662	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	43928	22.473	ug/l	92
56) Ethyl methacrylate	10.508	69	62191	21.470	ug/l	89
57) 1,3-Dichloropropane	10.789	76	72115	21.433	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	103951	100.542	ug/l	95
59) 2-Hexanone	10.831	43	198742	110.042	ug/l	92
60) Dibromochloromethane	10.984	129	50391	22.025	ug/l	99
61) 1,2-Dibromoethane	11.087	107	42370	21.392	ug/l	98
64) Tetrachloroethene	10.721	164	52445	20.519	ug/l	98
65) Chlorobenzene	11.514	112	127469	21.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	48377	21.782	ug/l	97
67) Ethyl Benzene	11.593	91	222556	20.426	ug/l	96
68) m/p-Xylenes	11.703	106	172433	40.827	ug/l	96
69) o-Xylene	12.026	106	83457	20.677	ug/l	97
70) Styrene	12.044	104	144525	21.295	ug/l	97
71) Bromoform	12.209	173	33502	21.624	ug/l #	99
73) Isopropylbenzene	12.331	105	223952	20.684	ug/l	99
74) N-amyl acetate	12.142	43	76386	20.999	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	54981	21.272	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	44012m	23.025	ug/l	
77) Bromobenzene	12.605	156	54569	21.280	ug/l	97
78) n-propylbenzene	12.672	91	267762	20.438	ug/l	99
79) 2-Chlorotoluene	12.758	91	153377	20.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	187668	20.723	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	17575	20.282	ug/l	99
82) 4-Chlorotoluene	12.855	91	160094	20.963	ug/l	99
83) tert-Butylbenzene	13.075	119	164068	20.684	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	187393	20.840	ug/l	97
85) sec-Butylbenzene	13.251	105	243836	20.610	ug/l	100
86) p-Isopropyltoluene	13.367	119	204751	20.649	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	107765	21.286	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	109383	21.374	ug/l	99
89) n-Butylbenzene	13.697	91	193580	20.742	ug/l	97
90) Hexachloroethane	13.959	117	37970	21.410	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	100088	21.664	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10690	20.908	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	62745	21.625	ug/l	99
94) Hexachlorobutadiene	15.111	225	33027	20.875	ug/l	99
95) Naphthalene	15.233	128	153400	21.343	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	57148	21.594	ug/l	98

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

