

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015650.D
 Acq On : 20 Sep 2023 11:20
 Operator : SY/MD
 Sample : VY0920SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

Quant Time: Sep 21 03:38:10 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	7.789	168	155727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	266591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	242050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76548	44.675	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.360%		
35) Dibromofluoromethane	7.716	113	71945	45.089	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.180%		
50) Toluene-d8	10.179	98	230519	42.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.220%		
62) 4-Bromofluorobenzene	12.483	95	91045	42.882	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20043	19.526	ug/l	97
3) Chloromethane	2.107	50	25514	19.702	ug/l	99
4) Vinyl Chloride	2.247	62	28724	19.400	ug/l	97
5) Bromomethane	2.638	94	21168	16.825	ug/l	97
6) Chloroethane	2.784	64	21638	19.716	ug/l	98
7) Trichlorofluoromethane	3.113	101	50219	20.224	ug/l	97
8) Diethyl Ether	3.528	74	21770	20.558	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	31119	20.015	ug/l	95
10) Methyl Iodide	4.088	142	29850	18.165	ug/l	96
11) Tert butyl alcohol	4.972	59	66460m	179.201	ug/l	
12) 1,1-Dichloroethene	3.869	96	26630	19.438	ug/l	94
13) Acrolein	3.729	56	25333	96.540	ug/l	99
14) Allyl chloride	4.479	41	49427	19.732	ug/l	94
15) Acrylonitrile	5.161	53	82269	105.905	ug/l	98
16) Acetone	3.954	43	100932	110.073	ug/l	95
17) Carbon Disulfide	4.192	76	48559	18.245	ug/l	95
18) Methyl Acetate	4.485	43	63769	20.727	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	113944	20.420	ug/l	98
20) Methylene Chloride	4.710	84	52613	23.649	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	31253	19.958	ug/l	94
22) Diisopropyl ether	6.119	45	123442	20.477	ug/l	96
23) Vinyl Acetate	6.058	43	380905	102.370	ug/l	96
24) 1,1-Dichloroethane	6.015	63	66535	20.249	ug/l	99
25) 2-Butanone	6.990	43	142151	109.678	ug/l	98
26) 2,2-Dichloropropane	6.978	77	58967	19.635	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	41815	20.114	ug/l	98
28) Bromochloromethane	7.332	49	16895	18.952	ug/l	96
29) Tetrahydrofuran	7.356	42	77883	106.317	ug/l	96
30) Chloroform	7.509	83	72227	20.526	ug/l	95
31) Cyclohexane	7.783	56	46592	19.629	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	58900	20.276	ug/l	98
36) 1,1-Dichloropropene	7.917	75	46582	19.744	ug/l	99
37) Ethyl Acetate	7.076	43	48873	20.768	ug/l	96
38) Carbon Tetrachloride	7.899	117	51492	20.107	ug/l	98
39) Methylcyclohexane	9.179	83	50052	19.181	ug/l	94
40) Benzene	8.161	78	143474	19.941	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	24895m	19.647	ug/l	
42) 1,2-Dichloroethane	8.234	62	48936	19.860	ug/l	94
43) Isopropyl Acetate	8.271	43	82434	20.507	ug/l	98
44) Trichloroethene	8.941	130	40470	20.139	ug/l	99
45) 1,2-Dichloropropane	9.216	63	40184	20.028	ug/l	95
46) Dibromomethane	9.307	93	25877	20.162	ug/l	95
47) Bromodichloromethane	9.496	83	57400	20.065	ug/l	95
48) Methyl methacrylate	9.295	41	35873	20.331	ug/l	92
49) 1,4-Dioxane	9.307	88	11488	453.081	ug/l #	57
51) 4-Methyl-2-Pentanone	10.069	43	262056	105.177	ug/l	95
52) Toluene	10.246	92	93164	20.085	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	61252	19.966	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	65640	19.878	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	39116	20.797	ug/l	94
56) Ethyl methacrylate	10.508	69	56226	20.285	ug/l #	88
57) 1,3-Dichloropropane	10.789	76	63485	20.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	92669	105.254	ug/l	96
59) 2-Hexanone	10.831	43	206628	108.094	ug/l	92
60) Dibromochloromethane	10.984	129	44433	20.238	ug/l	100
61) 1,2-Dibromoethane	11.087	107	37778	20.531	ug/l	98
64) Tetrachloroethene	10.721	164	43128	20.767	ug/l	98
65) Chlorobenzene	11.514	112	106038	20.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	42228	20.576	ug/l	98
67) Ethyl Benzene	11.593	91	184477	19.976	ug/l	99
68) m/p-Xylenes	11.703	106	143296	40.824	ug/l	95
69) o-Xylene	12.032	106	70158	20.384	ug/l	97
70) Styrene	12.044	104	120888	20.519	ug/l	96
71) Bromoform	12.209	173	30842	20.738	ug/l #	100
73) Isopropylbenzene	12.331	105	186566	20.460	ug/l	100
74) N-amyl acetate	12.142	43	71140	20.758	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	52560	20.711	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	42502m	21.918	ug/l	
77) Bromobenzene	12.611	156	45740	20.435	ug/l	94
78) n-propylbenzene	12.672	91	226477	20.444	ug/l	100
79) 2-Chlorotoluene	12.758	91	128760	20.391	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	156016	20.438	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	18060	20.973	ug/l	93
82) 4-Chlorotoluene	12.855	91	135616	20.573	ug/l	99
83) tert-Butylbenzene	13.075	119	137335	20.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	153902	20.149	ug/l	97
85) sec-Butylbenzene	13.251	105	206228	20.611	ug/l	99
86) p-Isopropyltoluene	13.367	119	169771	20.313	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	91657	20.641	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	92356	20.796	ug/l	98
89) n-Butylbenzene	13.697	91	163117	20.610	ug/l	98
90) Hexachloroethane	13.959	117	32854	20.368	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	84617	20.643	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10718	21.265	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	53358	20.677	ug/l	98
94) Hexachlorobutadiene	15.111	225	27663	20.933	ug/l	96
95) Naphthalene	15.233	128	139429	20.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	49377	20.731	ug/l	99

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

