

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090523\
 Data File : VY015434.D
 Acq On : 05 Sep 2023 16:37
 Operator : SY/MD
 Sample : VY0905SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0905SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/06/2023
 Supervised By :Semsettin Yesilyurt 09/06/2023

Quant Time: Sep 06 01:44:41 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	7.777	168	162664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	276146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	254482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	93181	53.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.880%			
35) Dibromofluoromethane	7.704	113	85855	53.978	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.960%			
50) Toluene-d8	10.173	98	294669	51.158	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.477	95	111630	52.205	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23888	16.894	ug/l	96
3) Chloromethane	2.107	50	31767	16.917	ug/l	95
4) Vinyl Chloride	2.241	62	36737	16.808	ug/l	96
5) Bromomethane	2.613	94	28554	18.360	ug/l	96
6) Chloroethane	2.772	64	26549	18.480	ug/l	99
7) Trichlorofluoromethane	3.101	101	58398	18.888	ug/l	98
8) Diethyl Ether	3.515	74	23766	22.493	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.881	101	33761	19.702	ug/l	96
10) Methyl Iodide	4.070	142	34473	17.131	ug/l	99
11) Tert butyl alcohol	4.936	59	85675	219.301	ug/l #	94
12) 1,1-Dichloroethene	3.845	96	30940	19.134	ug/l	87
13) Acrolein	3.711	56	32933	76.461	ug/l	99
14) Allyl chloride	4.460	41	56031	21.764	ug/l	95
15) Acrylonitrile	5.149	53	82853	124.615	ug/l	99
16) Acetone	3.936	43	101138	138.959	ug/l	91
17) Carbon Disulfide	4.174	76	69376	14.351	ug/l	98
18) Methyl Acetate	4.460	43	62858	23.844	ug/l	96
19) Methyl tert-butyl Ether	5.204	73	121030	23.029	ug/l	97
20) Methylene Chloride	4.698	84	65478	24.375	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	36757	19.741	ug/l	94
22) Diisopropyl ether	6.106	45	132379	23.510	ug/l	93
23) Vinyl Acetate	6.045	43	415519	116.881	ug/l	96
24) 1,1-Dichloroethane	5.997	63	73150	22.474	ug/l	96
25) 2-Butanone	6.972	43	139898	135.521	ug/l	99
26) 2,2-Dichloropropane	6.966	77	68397	24.741	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	47551	22.511	ug/l	99
28) Bromochloromethane	7.320	49	23369	23.412	ug/l	99
29) Tetrahydrofuran	7.338	42	77254	119.172	ug/l	92
30) Chloroform	7.496	83	79225	23.154	ug/l	99
31) Cyclohexane	7.771	56	53781	17.363	ug/l	90
32) 1,1,1-Trichloroethane	7.692	97	65075	21.292	ug/l	99
36) 1,1-Dichloropropene	7.905	75	53892	19.297	ug/l	99
37) Ethyl Acetate	7.064	43	48720	22.619	ug/l	96
38) Carbon Tetrachloride	7.887	117	56208	19.487	ug/l	98
39) Methylcyclohexane	9.173	83	59861	17.025	ug/l	94
40) Benzene	8.149	78	163131	20.936	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	27697m	27.421	ug/l	
42) 1,2-Dichloroethane	8.228	62	55155	21.228	ug/l	95
43) Isopropyl Acetate	8.265	43	85678	23.003	ug/l	97
44) Trichloroethene	8.929	130	46232	20.971	ug/l	95
45) 1,2-Dichloropropane	9.210	63	45136	22.979	ug/l	100
46) Dibromomethane	9.295	93	28721	22.012	ug/l	96
47) Bromodichloromethane	9.490	83	62358	22.348	ug/l	100
48) Methyl methacrylate	9.283	41	37264	21.806	ug/l	93
49) 1,4-Dioxane	9.295	88	12283	506.816	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	259619	119.924	ug/l	94
52) Toluene	10.234	92	105253	21.075	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	65457	22.074	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	72399	22.444	ug/l	94
55) 1,1,2-Trichloroethane	10.636	97	40982	23.311	ug/l	95
56) Ethyl methacrylate	10.502	69	58744	22.548	ug/l #	89
57) 1,3-Dichloropropane	10.782	76	68486	22.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	108939	117.150	ug/l	95
59) 2-Hexanone	10.825	43	199878	123.047	ug/l	92
60) Dibromochloromethane	10.977	129	47010	22.845	ug/l	99
61) 1,2-Dibromoethane	11.081	107	40980	23.004	ug/l	97
64) Tetrachloroethene	10.715	164	51615	22.346	ug/l	97
65) Chlorobenzene	11.508	112	118131	21.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	45054	22.447	ug/l	99
67) Ethyl Benzene	11.587	91	207407	21.063	ug/l	99
68) m/p-Xylenes	11.697	106	160132	41.955	ug/l	96
69) o-Xylene	12.026	106	77179	21.158	ug/l	98
70) Styrene	12.038	104	135876	22.154	ug/l	95
71) Bromoform	12.203	173	31822	22.728	ug/l #	100
73) Isopropylbenzene	12.325	105	202547	20.662	ug/l	100
74) N-amyl acetate	12.142	43	74337	22.572	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	52645	22.497	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	37047m	21.406	ug/l	
77) Bromobenzene	12.605	156	51036	21.982	ug/l	97
78) n-propylbenzene	12.666	91	249524	21.036	ug/l	100
79) 2-Chlorotoluene	12.752	91	142702	21.449	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	173672	21.181	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	17397	22.174	ug/l	97
82) 4-Chlorotoluene	12.849	91	148778	21.517	ug/l	99
83) tert-Butylbenzene	13.069	119	149839	20.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	174788	21.470	ug/l	96
85) sec-Butylbenzene	13.251	105	223870	20.900	ug/l	100
86) p-Isopropyltoluene	13.367	119	188755	21.025	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	100880	22.009	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	101565	21.921	ug/l	98
89) n-Butylbenzene	13.690	91	180130	21.318	ug/l	96
90) Hexachloroethane	13.959	117	35302	21.986	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	94327	22.551	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	10503	22.689	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	61473	23.401	ug/l	98
94) Hexachlorobutadiene	15.111	225	31342	21.880	ug/l	98
95) Naphthalene	15.233	128	147894	22.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	55635	23.219	ug/l	99

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

