

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015532.D
 Acq On : 14 Sep 2023 14:23
 Operator : SY/MD
 Sample : VY0914SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/15/2023
 Supervised By :Semsettin Yesilyurt 09/15/2023

Quant Time: Sep 15 03:59:53 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	7.783	168	173037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	267314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102542	55.281	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.560%			
35) Dibromofluoromethane	7.710	113	92651	54.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.460%			
50) Toluene-d8	10.179	98	309823	50.536	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.477	95	122346	53.756	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28035	18.639	ug/l	96
3) Chloromethane	2.107	50	40477	20.263	ug/l	96
4) Vinyl Chloride	2.247	62	43194	18.577	ug/l	94
5) Bromomethane	2.631	94	32220	19.475	ug/l	96
6) Chloroethane	2.778	64	31403	20.548	ug/l	97
7) Trichlorofluoromethane	3.107	101	66002	20.068	ug/l	99
8) Diethyl Ether	3.527	74	27159	24.163	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.881	101	37564	20.607	ug/l	96
10) Methyl Iodide	4.076	142	42652	19.925	ug/l	99
11) Tert butyl alcohol	4.942	59	76249	178.577	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	36125	21.002	ug/l	92
13) Acrolein	3.723	56	29889	66.944	ug/l	99
14) Allyl chloride	4.466	41	63412	23.154	ug/l	95
15) Acrylonitrile	5.155	53	92351	130.574	ug/l	99
16) Acetone	3.942	43	110854	143.178	ug/l	93
17) Carbon Disulfide	4.180	76	89419	17.389	ug/l	98
18) Methyl Acetate	4.466	43	81396	29.025	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	136869	24.482	ug/l	98
20) Methylene Chloride	4.704	84	90687	34.100	ug/l	92
21) trans-1,2-Dichloroethene	5.204	96	42209	21.310	ug/l	94
22) Diisopropyl ether	6.112	45	145129	24.230	ug/l	92
23) Vinyl Acetate	6.051	43	442318	116.960	ug/l	95
24) 1,1-Dichloroethane	6.003	63	80675	23.300	ug/l #	97
25) 2-Butanone	6.978	43	150140	136.724	ug/l	98
26) 2,2-Dichloropropane	6.972	77	72521	24.660	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	53732	23.912	ug/l	96
28) Bromochloromethane	7.326	49	23886	22.496	ug/l	98
29) Tetrahydrofuran	7.344	42	89016	129.084	ug/l	94
30) Chloroform	7.496	83	86125	23.661	ug/l	95
31) Cyclohexane	7.777	56	63164	19.170	ug/l	84
32) 1,1,1-Trichloroethane	7.697	97	73077	22.477	ug/l	98
36) 1,1-Dichloropropene	7.911	75	59706	20.086	ug/l	99
37) Ethyl Acetate	7.069	43	55879	24.374	ug/l	97
38) Carbon Tetrachloride	7.892	117	62776	20.447	ug/l	97
39) Methylcyclohexane	9.179	83	67790	18.114	ug/l	98
40) Benzene	8.155	78	182349	21.987	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	31032m	28.864	ug/l	
42) 1,2-Dichloroethane	8.228	62	61801	22.347	ug/l	94
43) Isopropyl Acetate	8.270	43	94588	23.859	ug/l	97
44) Trichloroethene	8.935	130	50742	21.624	ug/l	98
45) 1,2-Dichloropropane	9.209	63	47984	22.951	ug/l	99
46) Dibromomethane	9.301	93	31558	22.724	ug/l	94
47) Bromodichloromethane	9.496	83	68687	23.128	ug/l	99
48) Methyl methacrylate	9.289	41	42282	23.246	ug/l	92
49) 1,4-Dioxane	9.301	88	12533	485.856	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	292552	126.964	ug/l	95
52) Toluene	10.240	92	114921	21.620	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	72181	22.869	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	78106	22.749	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	44942	24.017	ug/l	96
56) Ethyl methacrylate	10.508	69	65791	23.726	ug/l	90
57) 1,3-Dichloropropane	10.788	76	75970	23.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	106104	107.200	ug/l	95
59) 2-Hexanone	10.831	43	222433	128.651	ug/l	93
60) Dibromochloromethane	10.983	129	51681	23.596	ug/l	100
61) 1,2-Dibromoethane	11.087	107	44458	23.447	ug/l	97
64) Tetrachloroethene	10.715	164	56492	23.283	ug/l	96
65) Chlorobenzene	11.514	112	129607	22.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	49192	23.332	ug/l	98
67) Ethyl Benzene	11.593	91	225130	21.766	ug/l	98
68) m/p-Xylenes	11.703	106	174828	43.606	ug/l	95
69) o-Xylene	12.026	106	84369	22.019	ug/l	98
70) Styrene	12.038	104	144157	22.376	ug/l	97
71) Bromoform	12.203	173	35114	23.875	ug/l #	99
73) Isopropylbenzene	12.325	105	219668	21.212	ug/l	100
74) N-amyl acetate	12.142	43	78702	22.621	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	58087	23.497	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	43896m	24.009	ug/l	
77) Bromobenzene	12.605	156	55246	22.524	ug/l	96
78) n-propylbenzene	12.666	91	267840	21.375	ug/l	100
79) 2-Chlorotoluene	12.751	91	152883	21.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	186702	21.554	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	19361	23.360	ug/l	97
82) 4-Chlorotoluene	12.855	91	160290	21.944	ug/l	100
83) tert-Butylbenzene	13.074	119	160490	21.154	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	187583	21.811	ug/l	99
85) sec-Butylbenzene	13.251	105	241329	21.326	ug/l	100
86) p-Isopropyltoluene	13.367	119	201024	21.196	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	108514	22.410	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	108812	22.231	ug/l	98
89) n-Butylbenzene	13.696	91	189453	21.224	ug/l	97
90) Hexachloroethane	13.958	117	37737	22.248	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	99922	22.612	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11733	23.992	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	62807	22.632	ug/l	98
94) Hexachlorobutadiene	15.111	225	33223	21.955	ug/l	98
95) Naphthalene	15.233	128	163064	23.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58838	23.244	ug/l	99

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

