

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110823\
 Data File : VY016263.D
 Acq On : 08 Nov 2023 14:13
 Operator : SY/MD
 Sample : VY1108SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Quant Time: Nov 09 00:58:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2023
 Supervised By :Mahesh Dadoda 11/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	172249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	278180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	245293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	117257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	85712	54.445	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.880%			
35) Dibromofluoromethane	7.734	113	85047	53.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.640%			
50) Toluene-d8	10.191	98	339974	53.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.489	95	113481	54.524	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35147	20.839	ug/l	98
3) Chloromethane	2.119	50	41036	20.775	ug/l	99
4) Vinyl Chloride	2.259	62	44612	21.003	ug/l	98
5) Bromomethane	2.656	94	29574	21.187	ug/l	97
6) Chloroethane	2.802	64	27994	20.655	ug/l	97
7) Trichlorofluoromethane	3.131	101	64335	20.819	ug/l	94
8) Diethyl Ether	3.540	74	20280	21.958	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	38359	20.609	ug/l	94
10) Methyl Iodide	4.107	142	41737	20.763	ug/l	97
11) Tert butyl alcohol	4.966	59	14023	113.750	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	35596	20.450	ug/l	87
13) Acrolein	3.741	56	17068	114.784	ug/l	99
14) Allyl chloride	4.497	41	51281	20.761	ug/l #	92
15) Acrylonitrile	5.180	53	41753	113.917	ug/l	99
16) Acetone	3.960	43	28491	109.410	ug/l	93
17) Carbon Disulfide	4.210	76	108028	20.569	ug/l	99
18) Methyl Acetate	4.491	43	31753	22.948	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	92922	22.057	ug/l	96
20) Methylene Chloride	4.728	84	45378	22.772	ug/l	89
21) trans-1,2-Dichloroethene	5.241	96	40858	20.387	ug/l	93
22) Diisopropyl ether	6.137	45	113850	21.387	ug/l	89
23) Vinyl Acetate	6.076	43	291105	112.858	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	67600	20.584	ug/l	97
25) 2-Butanone	6.996	43	53059	116.328	ug/l	95
26) 2,2-Dichloropropane	6.996	77	61151	20.459	ug/l	96
27) cis-1,2-Dichloroethene	7.002	96	45355	20.999	ug/l	90
28) Bromochloromethane	7.350	49	25755	21.190	ug/l	94
29) Tetrahydrofuran	7.362	42	35846	118.901	ug/l	91
30) Chloroform	7.521	83	71154	20.815	ug/l	95
31) Cyclohexane	7.795	56	63003	20.327	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	64577	20.609	ug/l	98
36) 1,1-Dichloropropene	7.929	75	55600	20.263	ug/l	98
37) Ethyl Acetate	7.088	43	25279	22.801	ug/l #	94
38) Carbon Tetrachloride	7.917	117	58944	20.698	ug/l	97
39) Methylcyclohexane	9.197	83	69121	20.216	ug/l	91
40) Benzene	8.173	78	160447	20.812	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	14502	25.942	ug/l	90
42) 1,2-Dichloroethane	8.246	62	43829	21.942	ug/l	93
43) Isopropyl Acetate	8.283	43	48686	22.718	ug/l #	90
44) Trichloroethene	8.953	130	46120	20.816	ug/l	91
45) 1,2-Dichloropropane	9.228	63	39147	21.144	ug/l	96
46) Dibromomethane	9.319	93	22004	21.932	ug/l	98
47) Bromodichloromethane	9.508	83	54623	21.177	ug/l	95
48) Methyl methacrylate	9.301	41	27168	22.938	ug/l	87
49) 1,4-Dioxane	9.313	88	5045	473.644	ug/l #	50
51) 4-Methyl-2-Pentanone	10.081	43	126186	116.440	ug/l	91
52) Toluene	10.258	92	102217	20.975	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	54684	21.869	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	63715	21.334	ug/l #	89
55) 1,1,2-Trichloroethane	10.654	97	30370	21.962	ug/l	98
56) Ethyl methacrylate	10.520	69	29802	22.830	ug/l #	85
57) 1,3-Dichloropropane	10.801	76	52201	22.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	99362	112.257	ug/l	93
59) 2-Hexanone	10.843	43	97063	120.413	ug/l	90
60) Dibromochloromethane	10.996	129	37466	21.663	ug/l	98
61) 1,2-Dibromoethane	11.099	107	30125	22.866	ug/l	98
64) Tetrachloroethene	10.733	164	44650	20.273	ug/l	96
65) Chlorobenzene	11.526	112	109145	20.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	40001	20.694	ug/l	98
67) Ethyl Benzene	11.605	91	193185	20.511	ug/l	98
68) m/p-Xylenes	11.715	106	148803	41.654	ug/l	95
69) o-Xylene	12.038	106	69224	20.871	ug/l	97
70) Styrene	12.056	104	101867	21.449	ug/l	98
71) Bromoform	12.215	173	21605	21.541	ug/l #	100
73) Isopropylbenzene	12.337	105	188744	19.878	ug/l	100
74) N-amyl acetate	12.154	43	42269	22.162	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.593	83	33376	21.905	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	23442m	20.840	ug/l	
77) Bromobenzene	12.617	156	43912	20.462	ug/l	95
78) n-propylbenzene	12.678	91	221432	19.733	ug/l	99
79) 2-Chlorotoluene	12.764	91	125332	20.267	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	154029	20.120	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	10946	21.122	ug/l	91
82) 4-Chlorotoluene	12.861	91	129333	20.240	ug/l	98
83) tert-Butylbenzene	13.087	119	137370	20.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	153995	20.429	ug/l	99
85) sec-Butylbenzene	13.263	105	192987	20.033	ug/l	100
86) p-Isopropyltoluene	13.379	119	169357	20.417	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	84328	20.425	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	85842	21.274	ug/l	99
89) n-Butylbenzene	13.702	91	156953	20.489	ug/l	96
90) Hexachloroethane	13.971	117	31328	19.578	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	73443	20.759	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5195	21.430	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	47928	23.209	ug/l	100
94) Hexachlorobutadiene	15.123	225	26138	22.093	ug/l	98
95) Naphthalene	15.245	128	87600	23.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	39755	23.275	ug/l	99

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

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