

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015484.D
 Acq On : 11 Sep 2023 13:05
 Operator : SY/MD
 Sample : VY0911SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

Quant Time: Sep 12 01:16:40 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/12/2023
 Supervised By :Semsettin Yesilyurt 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	158686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	232410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73686	43.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.710	113	68311	46.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.180%		
50) Toluene-d8	10.173	98	239010	44.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.060%		
62) 4-Bromofluorobenzene	12.477	95	89138	44.734	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	22586	16.374	ug/l	94
3) Chloromethane	2.107	50	28664	15.647	ug/l	96
4) Vinyl Chloride	2.241	62	34562	16.209	ug/l	98
5) Bromomethane	2.625	94	27772	18.305	ug/l	98
6) Chloroethane	2.778	64	24526	17.499	ug/l	96
7) Trichlorofluoromethane	3.107	101	56642	18.780	ug/l	100
8) Diethyl Ether	3.521	74	19655	19.068	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.881	101	32718	19.572	ug/l	97
10) Methyl Iodide	4.082	142	28501	14.518	ug/l	98
11) Tert butyl alcohol	4.924	59	74684	192.660	ug/l #	96
12) 1,1-Dichloroethene	3.857	96	27978	17.736	ug/l	88
13) Acrolein	3.723	56	21672	55.368	ug/l	98
14) Allyl chloride	4.466	41	46731	18.606	ug/l	97
15) Acrylonitrile	5.155	53	62179	95.864	ug/l	99
16) Acetone	3.942	43	76299	107.459	ug/l	96
17) Carbon Disulfide	4.180	76	60297	12.786	ug/l	97
18) Methyl Acetate	4.472	43	48916	19.021	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	102909	20.072	ug/l	100
20) Methylene Chloride	4.704	84	62964	23.921	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	33380	18.376	ug/l	93
22) Diisopropyl ether	6.112	45	107645	19.597	ug/l	92
23) Vinyl Acetate	6.051	43	325517	93.859	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	62622	19.721	ug/l	95
25) 2-Butanone	6.978	43	106449	105.704	ug/l	97
26) 2,2-Dichloropropane	6.972	77	62724	23.257	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	40452	19.630	ug/l	99
28) Bromochloromethane	7.332	49	18138	18.627	ug/l	93
29) Tetrahydrofuran	7.338	42	57966	91.660	ug/l	91
30) Chloroform	7.496	83	67613	20.255	ug/l	99
31) Cyclohexane	7.777	56	49654	16.432	ug/l	87
32) 1,1,1-Trichloroethane	7.691	97	60144	20.172	ug/l	98
36) 1,1-Dichloropropene	7.911	75	48540	18.651	ug/l	99
37) Ethyl Acetate	7.070	43	37980	18.922	ug/l	96
38) Carbon Tetrachloride	7.893	117	52766	19.631	ug/l	97
39) Methylcyclohexane	9.179	83	57043	17.410	ug/l	93
40) Benzene	8.155	78	138276	19.043	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	19094m	20.285	ug/l	
42) 1,2-Dichloroethane	8.228	62	47400	19.577	ug/l	94
43) Isopropyl Acetate	8.264	43	67854	19.549	ug/l	98
44) Trichloroethene	8.935	130	41088	20.000	ug/l	100
45) 1,2-Dichloropropane	9.209	63	35855	19.588	ug/l	96
46) Dibromomethane	9.301	93	23411	19.254	ug/l	99
47) Bromodichloromethane	9.490	83	53233	20.473	ug/l	99
48) Methyl methacrylate	9.289	41	29724	18.665	ug/l	93
49) 1,4-Dioxane	9.301	88	8793	389.336	ug/l #	61
51) 4-Methyl-2-Pentanone	10.063	43	201204	99.735	ug/l	94
52) Toluene	10.240	92	91933	19.754	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	55526	20.093	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	60765	20.214	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	33748	20.599	ug/l	97
56) Ethyl methacrylate	10.508	69	48242	19.871	ug/l	90
57) 1,3-Dichloropropane	10.788	76	56730	20.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	100091	115.503	ug/l	93
59) 2-Hexanone	10.831	43	153915	101.679	ug/l	93
60) Dibromochloromethane	10.983	129	40529	21.136	ug/l	99
61) 1,2-Dibromoethane	11.087	107	33551	20.211	ug/l	98
64) Tetrachloroethene	10.715	164	44145	20.927	ug/l	97
65) Chlorobenzene	11.514	112	103055	20.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	38895	21.219	ug/l	99
67) Ethyl Benzene	11.587	91	182051	20.244	ug/l	99
68) m/p-Xylenes	11.697	106	141788	40.676	ug/l	93
69) o-Xylene	12.026	106	67880	20.376	ug/l	96
70) Styrene	12.038	104	114869	20.507	ug/l	96
71) Bromoform	12.203	173	26747	20.918	ug/l #	100
73) Isopropylbenzene	12.325	105	182769	20.773	ug/l	98
74) N-amyl acetate	12.142	43	57881	19.581	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	42843	20.398	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	31694m	20.404	ug/l	
77) Bromobenzene	12.605	156	43861	21.048	ug/l	99
78) n-propylbenzene	12.666	91	219811	20.647	ug/l	99
79) 2-Chlorotoluene	12.758	91	122943	20.589	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	154810	21.036	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	14380	20.421	ug/l	96
82) 4-Chlorotoluene	12.849	91	127939	20.616	ug/l	98
83) tert-Butylbenzene	13.068	119	136496	21.176	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	151152	20.686	ug/l	99
85) sec-Butylbenzene	13.251	105	200553	20.860	ug/l	99
86) p-Isopropyltoluene	13.367	119	171346	21.265	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	86616	21.054	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	88669	21.322	ug/l	98
89) n-Butylbenzene	13.696	91	159282	21.002	ug/l	97
90) Hexachloroethane	13.959	117	31430	21.809	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	81068	21.593	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8574	20.636	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	51521	21.852	ug/l	99
94) Hexachlorobutadiene	15.111	225	27938	21.731	ug/l	99
95) Naphthalene	15.233	128	121721	20.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	47242	21.967	ug/l	99

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

