

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010445.D
 Acq On : 12 Sep 2022 14:14
 Operator : KP/MD
 Sample : MDL01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01 2.5PPB

Quant Time: Sep 13 05:25:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 05:24:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	232357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	366931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	330429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	127871	54.641	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.280%			
35) Dibromofluoromethane	7.710	113	126399	48.504	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.000%			
50) Toluene-d8	10.179	98	470927	55.759	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.520%			
62) 4-Bromofluorobenzene	12.477	95	162985	42.053	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	4822	2.708	ug/l	97
3) Chloromethane	2.107	50	8434	3.231	ug/l	98
4) Vinyl Chloride	2.241	62	9261	2.876	ug/l	96
5) Bromomethane	2.644	94	7266	3.220	ug/l	97
6) Chloroethane	2.784	64	6125	2.843	ug/l	97
7) Trichlorofluoromethane	3.119	101	11417	2.799	ug/l	90
8) Diethyl Ether	3.522	74	3794	2.872	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	6867	2.875	ug/l #	69
10) Methyl Iodide	4.082	142	7086	2.397	ug/l	91
11) Tert butyl alcohol	4.954	59	5696	18.020	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	6128	2.735	ug/l #	74
13) Acrolein	3.729	56	2734	12.246	ug/l	97
14) Allyl chloride	4.466	41	8575	2.657	ug/l #	91
15) Acrylonitrile	5.155	53	8844	13.827	ug/l	99
16) Acetone	3.948	43	9147	17.032	ug/l #	83
17) Carbon Disulfide	4.186	76	15581	2.571	ug/l #	94
18) Methyl Acetate	4.466	43	6016	3.641	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	16533	2.672	ug/l	94
20) Methylene Chloride	4.704	84	29486	8.996	ug/l #	79
21) trans-1,2-Dichloroethene	5.210	96	7142	2.807	ug/l #	79
22) Diisopropyl ether	6.112	45	18572	2.578	ug/l	96
23) Vinyl Acetate	6.052	43	52054	11.791	ug/l #	87
24) 1,1-Dichloroethane	6.009	63	11973	2.745	ug/l	98
25) 2-Butanone	6.984	43	13709	16.062	ug/l #	89
26) 2,2-Dichloropropane	6.966	77	13370	3.213	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	7909	2.674	ug/l	93
28) Bromochloromethane	7.332	49	4316	3.087	ug/l #	83
29) Tetrahydrofuran	7.350	42	7788	14.620	ug/l	89
30) Chloroform	7.502	83	13242	2.862	ug/l	99
31) Cyclohexane	7.777	56	14008	3.543	ug/l #	59
32) 1,1,1-Trichloroethane	7.691	97	11180	2.669	ug/l	95
36) 1,1-Dichloropropene	7.911	75	10066	2.822	ug/l	98
37) Ethyl Acetate	7.076	43	5194	2.769	ug/l #	93
38) Carbon Tetrachloride	7.893	117	10834	2.730	ug/l	96
39) Methylcyclohexane	9.179	83	11451	2.574	ug/l #	91
40) Benzene	8.155	78	27716	2.699	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2707m	2.525	ug/l	
42) 1,2-Dichloroethane	8.234	62	8627	2.825	ug/l	91
43) Isopropyl Acetate	8.271	43	8873	2.585	ug/l #	89
44) Trichloroethene	8.935	130	8113	2.684	ug/l	98
45) 1,2-Dichloropropane	9.210	63	6579	2.627	ug/l	98
46) Dibromomethane	9.301	93	4196	2.778	ug/l	98
47) Bromodichloromethane	9.496	83	9627	2.683	ug/l	95
48) Methyl methacrylate	9.289	41	3446	2.236	ug/l #	77
49) 1,4-Dioxane	9.301	88	1037	51.864	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	23705	12.592	ug/l	90
52) Toluene	10.240	92	18269	2.718	ug/l	92
53) t-1,3-Dichloropropene	10.465	75	9374	2.539	ug/l	91
54) cis-1,3-Dichloropropene	9.929	75	10340	2.483	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	5788	2.694	ug/l	97
56) Ethyl methacrylate	10.508	69	6588	2.335	ug/l	84
57) 1,3-Dichloropropane	10.788	76	9460	2.648	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.783	63	16646	17.341	ug/l #	89
59) 2-Hexanone	10.831	43	15174	11.824	ug/l	88
60) Dibromochloromethane	10.984	129	6743	2.568	ug/l	100
61) 1,2-Dibromoethane	11.081	107	5496	2.635	ug/l	99
64) Tetrachloroethene	10.715	164	8186	2.749	ug/l	99
65) Chlorobenzene	11.514	112	19921	2.696	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	6944	2.537	ug/l	93
67) Ethyl Benzene	11.593	91	33733	2.579	ug/l	95
68) m/p-Xylenes	11.703	106	25650	4.996	ug/l	95
69) o-Xylene	12.026	106	12551	2.560	ug/l	91
70) Styrene	12.044	104	19744	2.379	ug/l	96
71) Bromoform	12.203	173	4165	2.434	ug/l #	97
73) Isopropylbenzene	12.331	105	32600	2.564	ug/l	98
74) N-amyl acetate	12.142	43	6839	2.305	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	6735	2.831	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	5203m	2.893	ug/l	
77) Bromobenzene	12.605	156	8225	2.730	ug/l	92
78) n-propylbenzene	12.672	91	40139	2.666	ug/l	98
79) 2-Chlorotoluene	12.758	91	22492	2.659	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	29224	2.724	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	2068m	2.553	ug/l	
82) 4-Chlorotoluene	12.855	91	23193	2.636	ug/l	96
83) tert-Butylbenzene	13.075	119	23540	2.510	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	27412	2.611	ug/l	98
85) sec-Butylbenzene	13.251	105	36192	2.606	ug/l	99
86) p-Isopropyltoluene	13.367	119	28610	2.436	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	16531	2.732	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	16909	2.822	ug/l	92
89) n-Butylbenzene	13.697	91	26779	2.512	ug/l	98
90) Hexachloroethane	13.959	117	5856	2.655	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	14754	2.753	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1100	2.740	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	8954	2.690	ug/l	98
94) Hexachlorobutadiene	15.111	225	6180	3.077	ug/l	93
95) Naphthalene	15.239	128	16313	2.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	7430	2.557	ug/l	98

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

