

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010459.D
 Acq On : 13 Sep 2022 15:21
 Operator : KP/MD
 Sample : MDL05 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05 2.5PPB

Quant Time: Sep 14 06:28:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 14 06:25:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	221600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	355190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	159610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130084	58.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.560%			
35) Dibromofluoromethane	7.710	113	124348	49.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.580%			
50) Toluene-d8	10.173	98	454982	55.652	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.300%			
62) 4-Bromofluorobenzene	12.477	95	162543	43.326	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8554	5.038	ug/l	99
3) Chloromethane	2.107	50	7894	3.171	ug/l	92
4) Vinyl Chloride	2.241	62	9087	2.958	ug/l	92
5) Bromomethane	2.643	94	7204	3.348	ug/l	95
6) Chloroethane	2.784	64	5868	2.856	ug/l	89
7) Trichlorofluoromethane	3.113	101	11263	2.895	ug/l	85
8) Diethyl Ether	3.515	74	3578	2.839	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	6524	2.864	ug/l	95
10) Methyl Iodide	4.076	142	6935	2.460	ug/l	91
11) Tert butyl alcohol	4.936	59	5112m	16.957	ug/l	
12) 1,1-Dichloroethene	3.857	96	6046	2.829	ug/l	85
13) Acrolein	3.723	56	2648	12.436	ug/l	98
14) Allyl chloride	4.460	41	8687	2.823	ug/l #	96
15) Acrylonitrile	5.149	53	8840	14.492	ug/l	96
16) Acetone	3.936	43	9864	19.258	ug/l #	77
17) Carbon Disulfide	4.180	76	14408	2.493	ug/l	99
18) Methyl Acetate	4.466	43	6451	4.094	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	16464	2.790	ug/l	96
20) Methylene Chloride	4.704	84	35197	11.260	ug/l #	81
21) trans-1,2-Dichloroethene	5.204	96	6550	2.699	ug/l	87
22) Diisopropyl ether	6.112	45	18050	2.627	ug/l	93
23) Vinyl Acetate	6.058	43	48461	11.510	ug/l #	91
24) 1,1-Dichloroethane	6.003	63	11516	2.769	ug/l	96
25) 2-Butanone	6.978	43	15493	19.033	ug/l	91
26) 2,2-Dichloropropane	6.978	77	15694	3.954	ug/l	87
27) cis-1,2-Dichloroethene	6.978	96	7386	2.619	ug/l	84
28) Bromochloromethane	7.326	49	4576	3.431	ug/l #	81
29) Tetrahydrofuran	7.344	42	7408	14.582	ug/l #	87
30) Chloroform	7.502	83	12590	2.854	ug/l	98
31) Cyclohexane	7.777	56	14288	3.789	ug/l #	62
32) 1,1,1-Trichloroethane	7.691	97	10714	2.682	ug/l	98
36) 1,1-Dichloropropene	7.911	75	9858	2.855	ug/l	98
37) Ethyl Acetate	7.063	43	5910	3.255	ug/l #	92
38) Carbon Tetrachloride	7.893	117	10019	2.608	ug/l	88
39) Methylcyclohexane	9.179	83	11938	2.772	ug/l #	85
40) Benzene	8.149	78	26616	2.677	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2742m	2.642	ug/l	
42) 1,2-Dichloroethane	8.228	62	8197	2.773	ug/l	94
43) Isopropyl Acetate	8.264	43	8548	2.573	ug/l #	91
44) Trichloroethene	8.935	130	7630	2.607	ug/l	96
45) 1,2-Dichloropropane	9.209	63	6417	2.647	ug/l	97
46) Dibromomethane	9.301	93	3871	2.648	ug/l	98
47) Bromodichloromethane	9.490	83	8885	2.558	ug/l	97
48) Methyl methacrylate	9.289	41	3609	2.419	ug/l #	78
49) 1,4-Dioxane	9.295	88	1259	65.048	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	24601	13.499	ug/l	93
52) Toluene	10.240	92	17153	2.637	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	8976	2.511	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	10030	2.488	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	5343	2.569	ug/l	94
56) Ethyl methacrylate	10.508	69	6631	2.428	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	9321	2.695	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	17713	19.063	ug/l	95
59) 2-Hexanone	10.831	43	15203	12.238	ug/l	89
60) Dibromochloromethane	10.977	129	6345	2.496	ug/l	95
61) 1,2-Dibromoethane	11.087	107	5267	2.609	ug/l	99
64) Tetrachloroethene	10.715	164	7548	2.607	ug/l	96
65) Chlorobenzene	11.514	112	18283	2.545	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.587	131	7056	2.652	ug/l	98
67) Ethyl Benzene	11.587	91	31895	2.509	ug/l	100
68) m/p-Xylenes	11.703	106	25146	5.038	ug/l	93
69) o-Xylene	12.026	106	11835	2.483	ug/l	96
70) Styrene	12.044	104	19019	2.358	ug/l	95
71) Bromoform	12.203	173	4064	2.443	ug/l #	99
73) Isopropylbenzene	12.325	105	31907	2.562	ug/l	99
74) N-amyl acetate	12.142	43	6723	2.314	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	6706	2.879	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	4549m	2.582	ug/l	
77) Bromobenzene	12.605	156	7692	2.607	ug/l	94
78) n-propylbenzene	12.666	91	38314	2.598	ug/l	98
79) 2-Chlorotoluene	12.751	91	22227	2.683	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	28183	2.682	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	2038m	2.569	ug/l	
82) 4-Chlorotoluene	12.849	91	22423	2.602	ug/l	98
83) tert-Butylbenzene	13.068	119	23623	2.572	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	27639	2.688	ug/l	99
85) sec-Butylbenzene	13.251	105	34909	2.567	ug/l	99
86) p-Isopropyltoluene	13.367	119	28434	2.472	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	15613	2.635	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	15661	2.669	ug/l	89
89) n-Butylbenzene	13.690	91	27531	2.637	ug/l	99
90) Hexachloroethane	13.959	117	5844	2.706	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	14387	2.741	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1106	2.813	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	8917	2.736	ug/l	97
94) Hexachlorobutadiene	15.111	225	5598	2.846	ug/l	95
95) Naphthalene	15.233	128	17920	2.787	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	7789	2.737	ug/l	98

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

