

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010507.D
 Acq On : 15 Sep 2022 13:42
 Operator : KP/MD
 Sample : MDL07 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07 2.5PPB

Quant Time: Sep 16 04:55:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 16 04:54:10 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	209556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108653	51.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	102.960%		
35) Dibromofluoromethane	7.710	113	105984	44.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.340%		
50) Toluene-d8	10.179	98	383148	49.267	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.540%		
62) 4-Bromofluorobenzene	12.483	95	135464	37.958	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6289	3.917	ug/l	93
3) Chloromethane	2.107	50	7271	3.088	ug/l	95
4) Vinyl Chloride	2.247	62	8224	2.831	ug/l	94
5) Bromomethane	2.650	94	6459	3.174	ug/l	94
6) Chloroethane	2.790	64	5476	2.819	ug/l	96
7) Trichlorofluoromethane	3.119	101	10474	2.847	ug/l	94
8) Diethyl Ether	3.521	74	3498	2.936	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.887	101	6216	2.886	ug/l	93
10) Methyl Iodide	4.088	142	6281	2.356	ug/l	90
11) Tert butyl alcohol	4.930	59	7629	26.761	ug/l #	77
12) 1,1-Dichloroethene	3.863	96	5532	2.737	ug/l	84
13) Acrolein	3.716	56	2111	10.484	ug/l	94
14) Allyl chloride	4.472	41	8065	2.771	ug/l #	96
15) Acrylonitrile	5.155	53	8200	14.215	ug/l	93
16) Acetone	3.942	43	8889	18.352	ug/l	91
17) Carbon Disulfide	4.186	76	13711	2.509	ug/l	99
18) Methyl Acetate	4.472	43	5936	3.984	ug/l #	90
19) Methyl tert-butyl Ether	5.204	73	15123	2.710	ug/l #	88
20) Methylene Chloride	4.704	84	34412	11.641	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	6178	2.692	ug/l	90
22) Diisopropyl ether	6.106	45	16293	2.508	ug/l #	86
23) Vinyl Acetate	6.058	43	42838	10.759	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	10756	2.735	ug/l	97
25) 2-Butanone	6.978	43	14043	18.244	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	15980	4.258	ug/l	86
27) cis-1,2-Dichloroethene	6.984	96	7332	2.749	ug/l	85
28) Bromochloromethane	7.332	49	3879	3.076	ug/l #	76
29) Tetrahydrofuran	7.350	42	6434	13.393	ug/l #	82
30) Chloroform	7.496	83	11762	2.819	ug/l	98
31) Cyclohexane	7.777	56	13141	3.686	ug/l #	57
32) 1,1,1-Trichloroethane	7.697	97	10390	2.750	ug/l	97
36) 1,1-Dichloropropene	7.911	75	8854	2.695	ug/l	98
37) Ethyl Acetate	7.063	43	4893	2.833	ug/l #	94
38) Carbon Tetrachloride	7.893	117	9921	2.715	ug/l	94
39) Methylcyclohexane	9.179	83	10354	2.528	ug/l	97
40) Benzene	8.155	78	26134	2.764	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1941m	1.966	ug/l	
42) 1,2-Dichloroethane	8.234	62	7781	2.767	ug/l	93
43) Isopropyl Acetate	8.271	43	7486	2.369	ug/l #	83
44) Trichloroethene	8.941	130	7234	2.599	ug/l	91
45) 1,2-Dichloropropane	9.209	63	5889	2.553	ug/l	99
46) Dibromomethane	9.301	93	3772	2.712	ug/l	93
47) Bromodichloromethane	9.496	83	8791	2.661	ug/l #	99
48) Methyl methacrylate	9.295	41	3228	2.274	ug/l #	77
49) 1,4-Dioxane	9.295	88	1186	64.417	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	21460	12.379	ug/l	91
52) Toluene	10.240	92	16557	2.676	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	8468	2.491	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	9567	2.495	ug/l #	90
55) 1,1,2-Trichloroethane	10.642	97	5395	2.727	ug/l	98
56) Ethyl methacrylate	10.508	69	5678	2.185	ug/l	85
57) 1,3-Dichloropropane	10.788	76	9065	2.756	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	14702	16.633	ug/l	96
59) 2-Hexanone	10.831	43	13207	11.177	ug/l	88
60) Dibromochloromethane	10.983	129	6134	2.537	ug/l	99
61) 1,2-Dibromoethane	11.087	107	4698	2.446	ug/l	92
64) Tetrachloroethene	10.721	164	7481	2.778	ug/l	99
65) Chlorobenzene	11.514	112	17624	2.638	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	6331	2.559	ug/l	93
67) Ethyl Benzene	11.593	91	30429	2.574	ug/l	98
68) m/p-Xylenes	11.703	106	23191	4.996	ug/l	94
69) o-Xylene	12.026	106	11107	2.506	ug/l	88
70) Styrene	12.044	104	17947	2.392	ug/l	95
71) Bromoform	12.209	173	3888	2.513	ug/l #	95
73) Isopropylbenzene	12.331	105	29199	2.465	ug/l	100
74) N-amyl acetate	12.142	43	5629	2.037	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	5961	2.690	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	5410m	3.229	ug/l	
77) Bromobenzene	12.605	156	6899	2.458	ug/l	97
78) n-propylbenzene	12.666	91	35947	2.563	ug/l	100
79) 2-Chlorotoluene	12.751	91	20440	2.594	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	26318	2.633	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1702m	2.255	ug/l	
82) 4-Chlorotoluene	12.849	91	20846	2.543	ug/l	96
83) tert-Butylbenzene	13.075	119	21095	2.415	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	25194	2.576	ug/l	99
85) sec-Butylbenzene	13.251	105	31623	2.445	ug/l	99
86) p-Isopropyltoluene	13.367	119	25921	2.369	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	14429	2.560	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	14666	2.628	ug/l	90
89) n-Butylbenzene	13.696	91	24640	2.481	ug/l	97
90) Hexachloroethane	13.959	117	5731	2.790	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	12930	2.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1090	2.914	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	7445	2.401	ug/l	97
94) Hexachlorobutadiene	15.111	225	4510	2.411	ug/l	95
95) Naphthalene	15.233	128	13989	2.287	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	6221	2.298	ug/l	97

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

