

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010458.D
 Acq On : 13 Sep 2022 14:58
 Operator : KP/MD
 Sample : MDL04 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04 2.5PPB

Manual Integrations
 APPROVED

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

Quant Time: Sep 14 06:27:21 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	228208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130200	56.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.300%			
35) Dibromofluoromethane	7.710	113	125541	48.846	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.700%			
50) Toluene-d8	10.173	98	459451	55.158	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.320%			
62) 4-Bromofluorobenzene	12.477	95	163398	42.747	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9095	5.202	ug/l	98
3) Chloromethane	2.107	50	8021	3.128	ug/l	98
4) Vinyl Chloride	2.241	62	8876	2.806	ug/l	99
5) Bromomethane	2.637	94	7253	3.273	ug/l	99
6) Chloroethane	2.784	64	5899	2.788	ug/l #	85
7) Trichlorofluoromethane	3.113	101	11370	2.838	ug/l	93
8) Diethyl Ether	3.521	74	3560	2.743	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	6637	2.829	ug/l	95
10) Methyl Iodide	4.076	142	6814	2.347	ug/l #	88
11) Tert butyl alcohol	4.948	59	5304	17.085	ug/l	98
12) 1,1-Dichloroethene	3.863	96	6172	2.804	ug/l #	76
13) Acrolein	3.723	56	2781	12.683	ug/l	97
14) Allyl chloride	4.466	41	8562	2.702	ug/l #	91
15) Acrylonitrile	5.149	53	8501	13.533	ug/l	98
16) Acetone	3.942	43	10030	19.015	ug/l	91
17) Carbon Disulfide	4.180	76	15230	2.559	ug/l #	89
18) Methyl Acetate	4.472	43	6075	3.744	ug/l #	83
19) Methyl tert-butyl Ether	5.216	73	16112	2.651	ug/l	94
20) Methylene Chloride	4.704	84	35072	10.895	ug/l	84
21) trans-1,2-Dichloroethene	5.204	96	6853	2.742	ug/l	84
22) Diisopropyl ether	6.112	45	18148	2.565	ug/l #	95
23) Vinyl Acetate	6.051	43	48244	11.127	ug/l #	89
24) 1,1-Dichloroethane	6.009	63	11363	2.653	ug/l	99
25) 2-Butanone	6.984	43	16309	19.456	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	18383	4.498	ug/l	84
27) cis-1,2-Dichloroethene	6.978	96	7685	2.646	ug/l	75
28) Bromochloromethane	7.325	49	4657	3.391	ug/l	84
29) Tetrahydrofuran	7.344	42	7671	14.662	ug/l #	88
30) Chloroform	7.496	83	12534	2.759	ug/l	96
31) Cyclohexane	7.771	56	14490	3.732	ug/l #	62
32) 1,1,1-Trichloroethane	7.697	97	11181	2.718	ug/l	98
36) 1,1-Dichloropropene	7.911	75	10220	2.905	ug/l	97
37) Ethyl Acetate	7.076	43	5112	2.764	ug/l #	89
38) Carbon Tetrachloride	7.886	117	10056	2.569	ug/l	98
39) Methylcyclohexane	9.173	83	11545	2.631	ug/l	94
40) Benzene	8.155	78	26457	2.612	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2704m	2.557	ug/l	
42) 1,2-Dichloroethane	8.228	62	8142	2.703	ug/l	92
43) Isopropyl Acetate	8.270	43	9040	2.671	ug/l #	89
44) Trichloroethene	8.935	130	7498	2.515	ug/l	98
45) 1,2-Dichloropropane	9.209	63	6588	2.667	ug/l	93
46) Dibromomethane	9.301	93	4091	2.746	ug/l	95
47) Bromodichloromethane	9.490	83	8791	2.484	ug/l	94
48) Methyl methacrylate	9.289	41	3757	2.471	ug/l #	83
49) 1,4-Dioxane	9.295	88	1023	51.877	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	24677	13.291	ug/l	92
52) Toluene	10.240	92	17108	2.581	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	8859	2.433	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	10491	2.554	ug/l	88
55) 1,1,2-Trichloroethane	10.642	97	5705	2.692	ug/l	98
56) Ethyl methacrylate	10.502	69	6869	2.468	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	9289	2.636	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	18156	19.178	ug/l	97
59) 2-Hexanone	10.831	43	14575	11.516	ug/l	83
60) Dibromochloromethane	10.983	129	6405	2.473	ug/l	96
61) 1,2-Dibromoethane	11.081	107	5086	2.472	ug/l	91
64) Tetrachloroethene	10.715	164	7875	2.722	ug/l	98
65) Chlorobenzene	11.514	112	18802	2.619	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	6774	2.548	ug/l	97
67) Ethyl Benzene	11.587	91	33694	2.652	ug/l	100
68) m/p-Xylenes	11.697	106	25443	5.101	ug/l	94
69) o-Xylene	12.026	106	12510	2.627	ug/l	91
70) Styrene	12.038	104	19757	2.451	ug/l	97
71) Bromoform	12.203	173	3987	2.399	ug/l #	100
73) Isopropylbenzene	12.325	105	33152	2.645	ug/l	98
74) N-amyl acetate	12.142	43	6457	2.208	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	6685	2.851	ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	5814m	3.279	ug/l	
77) Bromobenzene	12.605	156	7920	2.667	ug/l	95
78) n-propylbenzene	12.666	91	39709	2.676	ug/l	99
79) 2-Chlorotoluene	12.751	91	22539	2.704	ug/l	95
80) 1,3,5-Trimethylbenzene	12.806	105	29200	2.761	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	1956m	2.450	ug/l	
82) 4-Chlorotoluene	12.849	91	22407	2.584	ug/l	97
83) tert-Butylbenzene	13.068	119	24980	2.703	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	28408	2.745	ug/l	100
85) sec-Butylbenzene	13.251	105	35800	2.616	ug/l	97
86) p-Isopropyltoluene	13.367	119	29037	2.508	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	15786	2.647	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	15873	2.688	ug/l	88
89) n-Butylbenzene	13.696	91	29031	2.763	ug/l	100
90) Hexachloroethane	13.958	117	6077	2.796	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	13776	2.608	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1199	3.030	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	8869	2.703	ug/l	94
94) Hexachlorobutadiene	15.111	225	5194	2.624	ug/l	92
95) Naphthalene	15.233	128	18281	2.825	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.422	180	7611	2.658	ug/l	96

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

