

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074181.D
 Acq On : 23 Aug 2022 10:43
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 23 12:46:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 12:44:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	163990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	272769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	257212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	18532	11.960	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.920%#		
35) Dibromofluoromethane	7.903	113	19643	11.081	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.160%#		
50) Toluene-d8	10.326	98	65190	11.844	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	23.680%#		
62) 4-Bromofluorobenzene	12.620	95	25238	11.353	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	22.700%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	13421	8.473	ug/l	100
3) Chloromethane	2.209	50	9391	5.369	ug/l	98
4) Vinyl Chloride	2.344	62	9814	4.358	ug/l	92
5) Bromomethane	2.762	94	6630	3.704	ug/l	99
6) Chloroethane	2.909	64	6317	3.375	ug/l #	87
7) Trichlorofluoromethane	3.262	101	28111	8.094	ug/l	100
8) Diethyl Ether	3.709	74	7407	9.828	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	17632	9.334	ug/l	98
10) Methyl Iodide	4.291	142	17150	9.748	ug/l	98
11) Tert butyl alcohol	5.226	59	5514	51.345	ug/l #	92
12) 1,1-Dichloroethene	4.067	96	14404	9.131	ug/l	83
13) Acrolein	3.926	56	3189	37.737	ug/l	92
14) Allyl chloride	4.709	41	24430	11.830	ug/l #	92
15) Acrylonitrile	5.420	53	18513	60.581	ug/l	99
16) Acetone	4.150	43	14808	45.193	ug/l	90
17) Carbon Disulfide	4.403	76	40652	9.807	ug/l	97
18) Methyl Acetate	4.726	43	9314	11.218	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	37645	10.972	ug/l	93
20) Methylene Chloride	4.956	84	28803	11.636	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	17358	10.003	ug/l	95
22) Diisopropyl ether	6.361	45	52219	11.997	ug/l	93
23) Vinyl Acetate	6.297	43	125163	55.886	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	34508	11.531	ug/l	98
25) 2-Butanone	7.203	43	24894	56.892	ug/l	92
26) 2,2-Dichloropropane	7.203	77	30216	10.001	ug/l	93
27) cis-1,2-Dichloroethene	7.203	96	20481	10.181	ug/l	94
28) Bromochloromethane	7.544	49	10413	9.730	ug/l #	81
29) Tetrahydrofuran	7.556	42	14457	59.251	ug/l	95
30) Chloroform	7.703	83	37068	10.808	ug/l	96
31) Cyclohexane	7.979	56	27838	10.801	ug/l #	66
32) 1,1,1-Trichloroethane	7.897	97	33540	10.452	ug/l	95
36) 1,1-Dichloropropene	8.103	75	24117	9.605	ug/l	94
37) Ethyl Acetate	7.291	43	9214	9.364	ug/l #	85
38) Carbon Tetrachloride	8.085	117	27631	9.737	ug/l	96
39) Methylcyclohexane	9.344	83	25248	8.997	ug/l	95
40) Benzene	8.350	78	74584	10.547	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	6495	12.528	ug/l	96
42) 1,2-Dichloroethane	8.420	62	22051	10.503	ug/l	98
43) Isopropyl Acetate	8.444	43	21226	11.643	ug/l #	93
44) Trichloroethene	9.102	130	22054	10.720	ug/l	95
45) 1,2-Dichloropropane	9.379	63	18481	10.823	ug/l	90
46) Dibromomethane	9.467	93	10782	10.180	ug/l	92
47) Bromodichloromethane	9.655	83	29073	10.685	ug/l #	96
48) Methyl methacrylate	9.444	41	8832	10.419	ug/l	84
49) 1,4-Dioxane	9.450	88	2421	230.879	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	53645	57.385	ug/l	97
52) Toluene	10.397	92	48160	10.449	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	24376	10.392	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	28545	10.430	ug/l	88
55) 1,1,2-Trichloroethane	10.791	97	15451	11.008	ug/l	94
56) Ethyl methacrylate	10.655	69	15492	10.500	ug/l	88
57) 1,3-Dichloropropane	10.932	76	23991	10.558	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	26567	50.628	ug/l	93
59) 2-Hexanone	10.973	43	35143	55.041	ug/l	96
60) Dibromochloromethane	11.126	129	19467	10.266	ug/l	100
61) 1,2-Dibromoethane	11.232	107	14818	10.772	ug/l	100
64) Tetrachloroethene	10.867	164	17195	10.170	ug/l	93
65) Chlorobenzene	11.655	112	54118	10.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	20554	10.139	ug/l	97
67) Ethyl Benzene	11.732	91	87274	9.787	ug/l	96
68) m/p-Xylenes	11.838	106	70904	19.791	ug/l	95
69) o-Xylene	12.167	106	32560	9.991	ug/l	92
70) Styrene	12.185	104	57037	10.044	ug/l	95
71) Bromoform	12.349	173	11102	10.558	ug/l #	96
73) Isopropylbenzene	12.467	105	84313	9.787	ug/l	98
74) N-amyl acetate	12.273	43	18594	10.997	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	16533	10.595	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	13225m	11.122	ug/l	
77) Bromobenzene	12.743	156	21433	10.408	ug/l	86
78) n-propylbenzene	12.808	91	102305	9.602	ug/l	99
79) 2-Chlorotoluene	12.891	91	62705	10.336	ug/l	100
80) 1,3,5-Trimethylbenzene	12.943	105	72426	9.861	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.508	75	4202	9.520	ug/l #	91
82) 4-Chlorotoluene	12.991	91	65534	10.215	ug/l	98
83) tert-Butylbenzene	13.208	119	59592	9.467	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	72605	9.884	ug/l	100
85) sec-Butylbenzene	13.385	105	91726	9.481	ug/l	100
86) p-Isopropyltoluene	13.502	119	73239	9.071	ug/l	97
87) 1,3-Dichlorobenzene	13.496	146	44111	10.139	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	45062	10.384	ug/l	98
89) n-Butylbenzene	13.826	91	69382	8.991	ug/l	97
90) Hexachloroethane	14.090	117	15607	9.307	ug/l	92
91) 1,2-Dichlorobenzene	13.873	146	38253	9.915	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2539	9.612	ug/l	85
93) 1,2,4-Trichlorobenzene	15.137	180	21322	8.767	ug/l	98
94) Hexachlorobutadiene	15.243	225	12963	9.018	ug/l	89
95) Naphthalene	15.373	128	36800	8.787	ug/l	98
96) 1,2,3-Trichlorobenzene	15.567	180	18743	8.746	ug/l	95

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

