

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074580.D
 Acq On : 19 Oct 2022 15:22
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101922

Quant Time: Oct 20 06:44:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	103964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	174819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	151476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35750	45.040	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.080%		
35) Dibromofluoromethane	7.805	113	44237	45.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.160%		
50) Toluene-d8	10.269	98	162647	46.483	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.960%		
62) 4-Bromofluorobenzene	12.575	95	43171	42.601	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	40580	50.286	ug/l	91
3) Chloromethane	2.146	50	48386	44.293	ug/l	94
4) Vinyl Chloride	2.281	62	59126	48.944	ug/l	99
5) Bromomethane	2.687	94	44324	48.450	ug/l	100
6) Chloroethane	2.834	64	40045	48.214	ug/l	98
7) Trichlorofluoromethane	3.169	101	84103	49.115	ug/l	97
8) Diethyl Ether	3.587	74	25346	51.111	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	55350	50.124	ug/l	100
10) Methyl Iodide	4.164	142	67361	47.101	ug/l	99
11) Tert butyl alcohol	5.052	59	19131	256.987	ug/l #	92
12) 1,1-Dichloroethene	3.940	96	54724	49.546	ug/l	91
13) Acrolein	3.793	56	19293	226.946	ug/l	99
14) Allyl chloride	4.558	41	62327	52.254	ug/l	99
15) Acrylonitrile	5.252	53	51836	255.762	ug/l	100
16) Acetone	4.016	43	48829	281.713	ug/l	98
17) Carbon Disulfide	4.269	76	142842	47.262	ug/l	99
18) Methyl Acetate	4.558	43	23047	49.285	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	113532	52.603	ug/l	98
20) Methylene Chloride	4.799	84	67371	50.739	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	59634	48.434	ug/l	86
22) Diisopropyl ether	6.210	45	128889	53.550	ug/l	95
23) Vinyl Acetate	6.152	43	319682	303.731	ug/l	95
24) 1,1-Dichloroethane	6.110	63	95195	50.959	ug/l	97
25) 2-Butanone	7.081	43	61207	264.077	ug/l	97
26) 2,2-Dichloropropane	7.075	77	89258	49.992	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	69068	50.576	ug/l	99
28) Bromochloromethane	7.422	49	28301	55.898	ug/l	99
29) Tetrahydrofuran	7.446	42	32938	260.554	ug/l	99
30) Chloroform	7.599	83	104318	51.898	ug/l	100
31) Cyclohexane	7.875	56	76666	48.083	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	94800	51.429	ug/l	97
36) 1,1-Dichloropropene	8.004	75	76507	48.716	ug/l	98
37) Ethyl Acetate	7.163	43	24688	49.825	ug/l	97
38) Carbon Tetrachloride	7.987	117	78370	50.961	ug/l	96
39) Methylcyclohexane	9.275	83	93563	49.862	ug/l	97
40) Benzene	8.252	78	230877	49.535	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	14538	54.456	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	53404	49.652	ug/l	98
43) Isopropyl Acetate	8.357	43	47555	51.642	ug/l	98
44) Trichloroethene	9.028	130	66686	48.839	ug/l	95
45) 1,2-Dichloropropane	9.304	63	51957	50.795	ug/l	95
46) Dibromomethane	9.393	93	30625	51.885	ug/l	93
47) Bromodichloromethane	9.581	83	77095	52.791	ug/l	96
48) Methyl methacrylate	9.381	41	22250	52.870	ug/l	99
49) 1,4-Dioxane	9.381	88	6110	1051.783	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	123067	268.687	ug/l	98
52) Toluene	10.334	92	149805	52.116	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	70178	54.656	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	85043	52.530	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	42496	52.402	ug/l	96
56) Ethyl methacrylate	10.598	69	48025	54.175	ug/l	97
57) 1,3-Dichloropropane	10.881	76	67768	51.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	70383	291.591	ug/l	99
59) 2-Hexanone	10.922	43	87619	280.267	ug/l	99
60) Dibromochloromethane	11.075	129	50597	51.762	ug/l	100
61) 1,2-Dibromoethane	11.181	107	39251	53.022	ug/l	100
64) Tetrachloroethene	10.810	164	53750	48.006	ug/l	92
65) Chlorobenzene	11.610	112	159480	49.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	55369	50.510	ug/l	99
67) Ethyl Benzene	11.687	91	281169	50.606	ug/l	98
68) m/p-Xylenes	11.793	106	201408	91.171	ug/l	98
69) o-Xylene	12.122	106	95101	46.256	ug/l	93
70) Styrene	12.134	104	162620	46.967	ug/l	100
71) Bromoform	12.298	173	26498	46.041	ug/l #	97
73) Isopropylbenzene	12.422	105	251086	51.474	ug/l	99
74) N-amyl acetate	12.234	43	38388	53.243	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	39122	50.663	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	25273m	46.276	ug/l	
77) Bromobenzene	12.698	156	56299	51.138	ug/l	99
78) n-propylbenzene	12.763	91	299145	51.892	ug/l	99
79) 2-Chlorotoluene	12.845	91	156627	50.152	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	204440	51.630	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	11333	53.030	ug/l	96
82) 4-Chlorotoluene	12.945	91	162697	50.707	ug/l	99
83) tert-Butylbenzene	13.169	119	182856	51.766	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	201896	51.814	ug/l	99
85) sec-Butylbenzene	13.345	105	274325	51.752	ug/l	99
86) p-Isopropyltoluene	13.457	119	228504	51.456	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	113723	49.709	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	111225	49.663	ug/l	99
89) n-Butylbenzene	13.787	91	210008	51.908	ug/l	99
90) Hexachloroethane	14.051	117	39631	51.273	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	99069	51.912	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5796	54.273	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	65571	52.086	ug/l	99
94) Hexachlorobutadiene	15.204	225	35984	51.957	ug/l	97
95) Naphthalene	15.328	128	124521	52.544	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	56591	52.441	ug/l	99

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

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