

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
 Data File : VD073498.D
 Acq On : 07 Jun 2022 16:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 08 06:45:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	395259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	651521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	625583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	302768	50.000	ug/l	0.00

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 adoda

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	198688	45.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.980%
35) Dibromofluoromethane	7.902	113	206609	48.058	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.120%
50) Toluene-d8	10.332	98	771393	48.675	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.620	95	293544	52.780	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.560%

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	206758	52.350	ug/l	98
3) Chloromethane	2.208	50	198920	44.541	ug/l	98
4) Vinyl Chloride	2.344	62	193940	47.490	ug/l	96
5) Bromomethane	2.755	94	122686	46.586	ug/l	97
6) Chloroethane	2.914	64	121841	48.533	ug/l	93
7) Trichlorofluoromethane	3.261	101	360052	49.862	ug/l	100
8) Diethyl Ether	3.702	74	111212	56.048	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.085	101	219044	50.840	ug/l	93
10) Methyl Iodide	4.291	142	233307	50.190	ug/l	95
11) Tert butyl alcohol	5.208	59	121014	178.560	ug/l #	83
12) 1,1-Dichloroethene	4.061	96	205072	51.626	ug/l	88
13) Acrolein	3.914	56	32051	109.801	ug/l	99
14) Allyl chloride	4.702	41	323896	50.515	ug/l #	89
15) Acrylonitrile	5.408	53	247951	273.273	ug/l	98
16) Acetone	4.149	43	210321	277.977	ug/l #	88
17) Carbon Disulfide	4.402	76	602494	45.754	ug/l	98
18) Methyl Acetate	4.714	43	111896	53.185	ug/l #	91
19) Methyl tert-butyl Ether	5.467	73	498296	55.064	ug/l	94
20) Methylene Chloride	4.949	84	279165	58.879	ug/l	86
21) trans-1,2-Dichloroethene	5.461	96	246039	51.228	ug/l	87
22) Diisopropyl ether	6.349	45	712377	53.000	ug/l #	92
23) Vinyl Acetate	6.291	43	1943562	271.087	ug/l #	93
24) 1,1-Dichloroethane	6.249	63	424746	49.231	ug/l	98
25) 2-Butanone	7.202	43	305847	276.296	ug/l #	90
26) 2,2-Dichloropropane	7.196	77	366606	49.826	ug/l	97
27) cis-1,2-Dichloroethene	7.196	96	273285	51.424	ug/l	90
28) Bromochloromethane	7.532	49	127946	43.046	ug/l #	80
29) Tetrahydrofuran	7.555	42	195694	273.402	ug/l	88
30) Chloroform	7.696	83	444005	49.295	ug/l	98
31) Cyclohexane	7.973	56	359399	47.082	ug/l	93
32) 1,1,1-Trichloroethane	7.890	97	386223	49.027	ug/l	95
36) 1,1-Dichloropropene	8.102	75	332554	51.432	ug/l	97
37) Ethyl Acetate	7.285	43	142840	55.928	ug/l #	94
38) Carbon Tetrachloride	8.085	117	334416	51.022	ug/l	98
39) Methylcyclohexane	9.349	83	426305	59.160	ug/l	97
40) Benzene	8.338	78	960380	51.537	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	92100	61.894	ug/l	90
42) 1,2-Dichloroethane	8.414	62	259353	50.019	ug/l	93
43) Isopropyl Acetate	8.443	43	281103	59.547	ug/l #	95
44) Trichloroethene	9.102	130	264092	53.145	ug/l	93
45) 1,2-Dichloropropane	9.379	63	249234	53.108	ug/l	100
46) Dibromomethane	9.467	93	132929	51.574	ug/l	95
47) Bromodichloromethane	9.649	83	336660	51.048	ug/l	96
48) Methyl methacrylate	9.443	41	133683	56.287	ug/l #	87
49) 1,4-Dioxane	9.449	88	32199	1209.699	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	697047	284.296	ug/l	93
52) Toluene	10.390	92	631936	53.665	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	321689	53.993	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	383871	53.840	ug/l #	86
55) 1,1,2-Trichloroethane	10.790	97	196888	56.490	ug/l	95
56) Ethyl methacrylate	10.649	69	249655	64.424	ug/l #	83
57) 1,3-Dichloropropane	10.937	76	320142	54.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	509667	274.504	ug/l	95
59) 2-Hexanone	10.973	43	511036	316.145	ug/l	94
60) Dibromochloromethane	11.131	129	237124	54.561	ug/l	99
61) 1,2-Dibromoethane	11.237	107	185891	55.814	ug/l	100
64) Tetrachloroethene	10.867	164	216802	52.912	ug/l	98
65) Chlorobenzene	11.661	112	677575	52.797	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	245634	51.608	ug/l	98
67) Ethyl Benzene	11.731	91	1205659	53.516	ug/l	98
68) m/p-Xylenes	11.843	106	951600	108.719	ug/l	97
69) o-Xylene	12.167	106	448222	55.743	ug/l	95
70) Styrene	12.184	104	771848	55.793	ug/l	96
71) Bromoform	12.349	173	137079	55.959	ug/l #	98
73) Isopropylbenzene	12.467	105	1184340	54.871	ug/l	98
74) N-amyl acetate	12.273	43	272430	57.858	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	212035	53.265	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	148203m	49.889	ug/l	
77) Bromobenzene	12.749	156	273007	53.732	ug/l	92
78) n-propylbenzene	12.808	91	1465660	54.089	ug/l	97
79) 2-Chlorotoluene	12.896	91	832156	53.188	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	999803	54.682	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	69782	56.393	ug/l #	84
82) 4-Chlorotoluene	12.990	91	872088	53.179	ug/l	98
83) tert-Butylbenzene	13.208	119	837273	54.335	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	993487	55.002	ug/l	98
85) sec-Butylbenzene	13.384	105	1278889	54.353	ug/l	98
86) p-Isopropyltoluene	13.502	119	1075477	56.072	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	550832	53.785	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	543707	52.593	ug/l	98
89) n-Butylbenzene	13.825	91	1012685	55.413	ug/l	98
90) Hexachloroethane	14.096	117	208117	52.440	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	482398	54.440	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	31905	52.336	ug/l	79
93) 1,2,4-Trichlorobenzene	15.143	180	299854	59.605	ug/l	99
94) Hexachlorobutadiene	15.249	225	157638	55.607	ug/l	97
95) Naphthalene	15.384	128	548842	55.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	260150	58.332	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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