

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062524.D
 Acq On : 23 May 2019 18:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:45:07 PM

Quant Time: May 24 01:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	369125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	509258	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	410183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	243658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	218677	55.34	ug/l	0.00
Spiked Amount						
			Recovery	=		110.68%
35) Dibromofluoromethane	6.93	113	224103	48.78	ug/l	-0.01
Spiked Amount						
			Recovery	=		97.56%
50) Toluene-d8	10.42	98	487925	48.53	ug/l	0.00
Spiked Amount						
			Recovery	=		97.06%
62) 4-Bromofluorobenzene	13.57	95	229499	52.18	ug/l	0.00
Spiked Amount						
			Recovery	=		104.36%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	164156	47.252	ug/l	95
3) Chloromethane	1.74	50	116870	45.704	ug/l	99
4) Vinyl Chloride	1.84	62	134373	49.937	ug/l	97
5) Bromomethane	2.15	94	64465	55.519	ug/l	95
6) Chloroethane	2.26	64	72654	55.815	ug/l #	87
7) Trichlorofluoromethane	2.53	101	276468	44.468	ug/l	95
8) Diethyl Ether	2.87	74	39048	46.558	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.14	101	155523	42.047	ug/l	95
10) Methyl Iodide	3.30	142	277410	53.788	ug/l #	86
11) Tert butyl alcohol	4.08	59	49593	271.917	ug/l	98
12) 1,1-Dichloroethene	3.12	96	113714	41.598	ug/l	86
13) Acrolein	3.03	56	42318	279.401	ug/l #	82
14) Allyl chloride	3.61	41	189162	46.931	ug/l #	70
15) Acrylonitrile	4.18	53	98863	236.560	ug/l	88
16) Acetone	3.22	43	168941	238.598	ug/l #	78
17) Carbon Disulfide	3.37	76	364994	44.087	ug/l	99
18) Methyl Acetate	3.64	43	59895	49.022	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	333889	52.882	ug/l	98
20) Methylene Chloride	3.81	84	139466	45.617	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	146787	45.868	ug/l	89
22) Diisopropyl ether	5.12	45	417459	48.658	ug/l	91
23) Vinyl Acetate	5.05	43	1272559	245.473	ug/l #	95
24) 1,1-Dichloroethane	4.98	63	258546	46.792	ug/l	96
25) 2-Butanone	6.07	43	170078	229.662	ug/l	96
26) 2,2-Dichloropropane	6.02	77	291043	48.864	ug/l	88
27) cis-1,2-Dichloroethene	6.03	96	155147	44.960	ug/l	90
28) Bromochloromethane	6.44	49	95725	48.270	ug/l	95
29) Tetrahydrofuran	6.46	42	79892	225.887	ug/l	98
30) Chloroform	6.66	83	357586	50.762	ug/l	99
31) Cyclohexane	6.96	56	163506	43.826	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	360725	50.721	ug/l	98
36) 1,1-Dichloropropene	7.16	75	240351	49.365	ug/l	96
37) Ethyl Acetate	6.19	43	97491	51.543	ug/l	93
38) Carbon Tetrachloride	7.12	117	380119m	52.531	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	196458	48.921	ug/l	93
40) Benzene	7.46	78	452665	47.398	ug/l	99
41) Methacrylonitrile	6.46	41	117071	49.282	ug/l #	79
42) 1,2-Dichloroethane	7.59	62	267369	52.869	ug/l	92
43) Isopropyl Acetate	9.25	43	129392	51.566	ug/l	93
44) Trichloroethene	8.55	130	184696	48.301	ug/l	91
45) 1,2-Dichloropropane	8.95	63	114810	49.330	ug/l	98
46) Dibromomethane	9.07	93	107376	50.896	ug/l	90
47) Bromodichloromethane	9.39	83	294460	54.866	ug/l #	96
48) Methyl methacrylate	9.13	41	87123	51.595	ug/l #	82
49) 1,4-Dioxane	9.09	88	15145	999.930	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	414481	250.041	ug/l	92
52) Toluene	10.52	92	331318	50.676	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	236577	52.947	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	244340	52.407	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	114022	51.457	ug/l	97
56) Ethyl methacrylate	11.05	69	118314	49.947	ug/l #	79
57) 1,3-Dichloropropane	11.43	76	172960	50.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	310949	255.639	ug/l	96
59) 2-Hexanone	11.54	43	316619	262.809	ug/l	91
60) Dibromochloromethane	11.70	129	236944	55.673	ug/l	99
61) 1,2-Dibromoethane	11.82	107	133402	48.852	ug/l	98
64) Tetrachloroethene	11.27	164	180397	52.525	ug/l	96
65) Chlorobenzene	12.41	112	410095	51.990	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	213003	58.499	ug/l	94
67) Ethyl Benzene	12.54	91	737122	54.254	ug/l	96
68) m/p-Xylenes	12.69	106	475912	97.582	ug/l	85
69) o-Xylene	13.06	106	243841	52.990	ug/l	81
70) Styrene	13.09	104	423794	54.137	ug/l #	93
71) Bromoform	13.25	173	147265	60.901	ug/l	98
73) Isopropylbenzene	13.41	105	732766	47.710	ug/l	94
74) N-amyl acetate	13.28	43	180314	47.534	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.72	83	124452	44.915	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	146041	50.885	ug/l	99
77) Bromobenzene	13.69	156	208069	47.756	ug/l	92
78) n-propylbenzene	13.79	91	816837	45.914	ug/l	95
79) 2-Chlorotoluene	13.86	91	496853	46.020	ug/l	97
80) 1,3,5-Trimethylbenzene	13.95	105	622640	46.821	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.49	75	40240	49.715	ug/l #	72
82) 4-Chlorotoluene	13.97	91	589603	47.420	ug/l	89
83) tert-Butylbenzene	14.20	119	662104	44.885	ug/l	85
84) 1,2,4-Trimethylbenzene	14.25	105	631750	46.362	ug/l	90
85) sec-Butylbenzene	14.38	105	731177	47.537	ug/l	98
86) p-Isopropyltoluene	14.51	119	692758	49.700	ug/l	92
87) 1,3-Dichlorobenzene	14.48	146	382538	49.719	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	373526	50.309	ug/l	97
89) n-Butylbenzene	14.81	91	647296	48.119	ug/l	94
90) Hexachloroethane	15.03	117	205783	53.420	ug/l	74
91) 1,2-Dichlorobenzene	14.82	146	334634	51.148	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	26542	50.466	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	244459	47.454	ug/l	96
94) Hexachlorobutadiene	16.05	225	183521	48.248	ug/l	98
95) Naphthalene	16.14	128	362353	51.478	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	187746	44.457	ug/l	95

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

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