

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062595.D
 Acq On : 3 Jun 2019 19:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:16 AM

Quant Time: Jun 04 07:17:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	773719	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1038478	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	934519	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	503976	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	490351	54.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	6.92	113	507643	53.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.41	98	1078270	52.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	13.56	95	487925	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	424785	47.336	ug/l	97
3) Chloromethane	1.74	50	360710	41.313	ug/l	97
4) Vinyl Chloride	1.85	62	354820	51.762	ug/l	99
5) Bromomethane	2.15	94	181653	81.604	ug/l	99
6) Chloroethane	2.27	64	183002	56.931	ug/l	98
7) Trichlorofluoromethane	2.53	101	762984	52.670	ug/l	98
8) Diethyl Ether	2.88	74	118531	63.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	467488	54.649	ug/l	94
10) Methyl Iodide	3.30	142	523713	53.955	ug/l	96
11) Tert butyl alcohol	4.09	59	124083	320.672	ug/l	98
12) 1,1-Dichloroethene	3.12	96	339367	56.079	ug/l	96
13) Acrolein	3.03	56	50979	302.366	ug/l	91
14) Allyl chloride	3.62	41	533651	56.453	ug/l	98
15) Acrylonitrile	4.20	53	270196	292.100	ug/l	93
16) Acetone	3.22	43	426907	239.501	ug/l	98
17) Carbon Disulfide	3.37	76	967314	49.174	ug/l	100
18) Methyl Acetate	3.64	43	159433	54.801	ug/l #	92
19) Methyl tert-butyl Ether	4.25	73	845006	57.642	ug/l	100
20) Methylene Chloride	3.81	84	358077	54.268	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	371253	54.060	ug/l	89
22) Diisopropyl ether	5.12	45	1102553	57.093	ug/l	95
23) Vinyl Acetate	5.06	43	3578161	305.532	ug/l	97
24) 1,1-Dichloroethane	4.98	63	692925	55.602	ug/l	98
25) 2-Butanone	6.07	43	480697	286.345	ug/l	97
26) 2,2-Dichloropropane	6.02	77	771563	55.808	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	417383	59.126	ug/l	90
28) Bromochloromethane	6.44	49	245984	57.122	ug/l	99
29) Tetrahydrofuran	6.46	42	234974	312.471	ug/l	97
30) Chloroform	6.67	83	852448	56.765	ug/l	98
31) Cyclohexane	6.95	56	452210	53.670	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	844357	54.027	ug/l	94
36) 1,1-Dichloropropene	7.15	75	593658	57.427	ug/l	93
37) Ethyl Acetate	6.18	43	236691	54.308	ug/l #	96
38) Carbon Tetrachloride	7.11	117	907670m	58.974	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	491894	56.202	ug/l	97
40) Benzene	7.45	78	1122348	55.316	ug/l	100
41) Methacrylonitrile	6.44	41	317450	61.897	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	670470	59.324	ug/l	99
43) Isopropyl Acetate	9.24	43	331440	61.102	ug/l #	98
44) Trichloroethene	8.54	130	453131	55.903	ug/l	95
45) 1,2-Dichloropropane	8.93	63	292851	58.872	ug/l	100
46) Dibromomethane	9.06	93	246307	58.950	ug/l	98
47) Bromodichloromethane	9.37	83	666350	57.881	ug/l	98
48) Methyl methacrylate	9.12	41	235123	65.080	ug/l	98
49) 1,4-Dioxane	9.09	88	40831	1391.414	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	1144065	302.311	ug/l	96
52) Toluene	10.51	92	787007	56.872	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	565543	58.144	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	601210	59.453	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	282703	62.219	ug/l	93
56) Ethyl methacrylate	11.04	69	299406	61.824	ug/l	95
57) 1,3-Dichloropropane	11.40	76	432602	61.761	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	752739	303.063	ug/l	98
59) 2-Hexanone	11.53	43	836613	315.172	ug/l	100
60) Dibromochloromethane	11.69	129	520099	58.902	ug/l	100
61) 1,2-Dibromoethane	11.81	107	314275	57.497	ug/l	99
64) Tetrachloroethene	11.25	164	405737	49.114	ug/l	99
65) Chlorobenzene	12.40	112	990526	54.408	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	460670	53.505	ug/l	94
67) Ethyl Benzene	12.52	91	1633335	48.968	ug/l	98
68) m/p-Xylenes	12.66	106	1226286	106.277	ug/l	98
69) o-Xylene	13.05	106	535317	48.634	ug/l	87
70) Styrene	13.08	104	959188	51.322	ug/l	98
71) Bromoform	13.23	173	332355	54.989	ug/l #	99
73) Isopropylbenzene	13.40	105	1774252	53.401	ug/l	99
74) N-amyl acetate	13.26	43	488883	57.708	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	318618	60.466	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	352126	58.238	ug/l	98
77) Bromobenzene	13.67	156	487577	53.523	ug/l	88
78) n-propylbenzene	13.77	91	2054063	53.636	ug/l	96
79) 2-Chlorotoluene	13.83	91	1260273	56.754	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1585976	55.862	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	88484	51.073	ug/l	85
82) 4-Chlorotoluene	13.94	91	1470251	55.305	ug/l	90
83) tert-Butylbenzene	14.19	119	1720105	54.297	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1574040	54.409	ug/l	95
85) sec-Butylbenzene	14.37	105	1745786	52.021	ug/l	100
86) p-Isopropyltoluene	14.49	119	1619941	51.667	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	846659	53.616	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	835716	52.811	ug/l	97
89) n-Butylbenzene	14.80	91	1526252	54.531	ug/l	96
90) Hexachloroethane	15.00	117	460301	55.337	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	726991	54.727	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65250	59.719	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	556546	52.396	ug/l	96
94) Hexachlorobutadiene	16.04	225	439059	55.993	ug/l	99
95) Naphthalene	16.12	128	805112	55.657	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	425959	53.685	ug/l	96

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

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