

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063862.D
 Acq On : 02 Oct 2019 15:54
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:34 PM

Quant Time: Oct 03 03:37:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	203918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	327074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	155243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	10841	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
35) Dibromofluoromethane	7.91	113	10398	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
50) Toluene-d8	10.34	98	43323	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
62) 4-Bromofluorobenzene	12.63	95	14944	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	7907	5.555	ug/l #	48
3) Chloromethane	2.21	50	26903	6.252	ug/l	96
4) Vinyl Chloride	2.35	62	25970	5.899	ug/l	94
5) Bromomethane	2.77	94	16153	6.206	ug/l	96
6) Chloroethane	2.91	64	17754	5.872	ug/l	96
7) Trichlorofluoromethane	3.27	101	34548	5.872	ug/l	95
8) Diethyl Ether	3.71	74	5678	5.832	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.07	101	10187m	5.923	ug/l	
10) Methyl Iodide	4.29	142	10976	5.242	ug/l	95
11) Tert butyl alcohol	5.26	59	2844	18.731	ug/l #	87
12) 1,1-Dichloroethene	4.05	96	9460	5.430	ug/l	87
13) Acrolein	3.91	56	5014	27.481	ug/l #	82
14) Allyl chloride	4.70	41	15608	5.608	ug/l	95
15) Acrylonitrile	5.43	53	10438	24.588	ug/l #	91
16) Acetone	4.16	43	12914	28.154	ug/l #	71
17) Carbon Disulfide	4.40	76	33250	5.598	ug/l #	86
18) Methyl Acetate	4.73	43	5370m	5.035	ug/l	
19) Methyl tert-butyl Ether	5.48	73	23448	5.346	ug/l #	83
20) Methylene Chloride	4.96	84	18688	7.144	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	11463	5.603	ug/l	95
22) Diisopropyl ether	6.37	45	30785	5.391	ug/l	92
23) Vinyl Acetate	6.30	43	83864	24.691	ug/l	95
24) 1,1-Dichloroethane	6.26	63	18906	5.423	ug/l	93
25) 2-Butanone	7.23	43	14831	25.466	ug/l #	72
26) 2,2-Dichloropropane	7.20	77	18321	5.682	ug/l	93
27) cis-1,2-Dichloroethene	7.20	96	12009	5.258	ug/l	91
28) Bromochloromethane	7.54	49	8333	6.215	ug/l #	96
29) Tetrahydrofuran	7.57	42	9205	27.050	ug/l	99
30) Chloroform	7.71	83	19984	5.305	ug/l	96
31) Cyclohexane	7.98	56	21870	6.391	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	17738	5.222	ug/l	96
36) 1,1-Dichloropropene	8.11	75	16455	5.563	ug/l	94
37) Ethyl Acetate	7.30	43	8454	6.696	ug/l #	94
38) Carbon Tetrachloride	8.10	117	15587	5.098	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	21075	5.738	ug/l #	81
40) Benzene	8.34	78	42870	5.227	ug/l	95
41) Methacrylonitrile	7.52	41	3718	5.207	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	12180	5.070	ug/l	99
43) Isopropyl Acetate	8.46	43	12903	5.179	ug/l #	97
44) Trichloroethene	9.11	130	12274	5.158	ug/l	83
45) 1,2-Dichloropropane	9.39	63	10478	5.164	ug/l #	67
46) Dibromomethane	9.47	93	5824	5.077	ug/l	91
47) Bromodichloromethane	9.66	83	15649	5.311	ug/l #	91
48) Methyl methacrylate	9.47	41	6281	5.531	ug/l	91
49) 1,4-Dioxane	9.46	88	1533	94.338	ug/l #	80
51) 4-Methyl-2-Pentanone	10.23	43	33104	26.201	ug/l	96
52) Toluene	10.40	92	30075	5.396	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	13585	4.648	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	16831	5.085	ug/l #	81
55) 1,1,2-Trichloroethane	10.80	97	8165	5.055	ug/l #	79
56) Ethyl methacrylate	10.66	69	10180	4.943	ug/l	92
57) 1,3-Dichloropropane	10.95	76	14627	5.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	24138	26.235	ug/l	97
59) 2-Hexanone	10.98	43	20608	22.491	ug/l	98
60) Dibromochloromethane	11.15	129	10229	4.794	ug/l	97
61) 1,2-Dibromoethane	11.25	107	7325	4.520	ug/l	90
64) Tetrachloroethene	10.87	164	11450	5.472	ug/l #	82
65) Chlorobenzene	11.67	112	31526	5.025	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	11453	4.976	ug/l	94
67) Ethyl Benzene	11.74	91	56931	5.049	ug/l	89
68) m/p-Xylenes	11.85	106	44476	10.221	ug/l	94
69) o-Xylene	12.18	106	20907	5.105	ug/l	98
70) Styrene	12.19	104	33730	4.849	ug/l	100
71) Bromoform	12.36	173	5232	4.110	ug/l #	89
73) Isopropylbenzene	12.48	105	54173	5.159	ug/l	99
74) N-amyl acetate	12.29	43	10748	4.661	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.73	83	9949	5.661	ug/l	91
76) 1,2,3-Trichloropropane	12.78	75	6093m	5.204	ug/l	
77) Bromobenzene	12.76	156	12907	5.087	ug/l	98
78) n-propylbenzene	12.82	91	64200	5.192	ug/l	98
79) 2-Chlorotoluene	12.91	91	36101	5.419	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	43906	5.019	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	3507	5.969	ug/l	84
82) 4-Chlorotoluene	13.01	91	38293	5.369	ug/l	96
83) tert-Butylbenzene	13.22	119	41132	5.360	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	45850	5.161	ug/l	97
85) sec-Butylbenzene	13.40	105	54500	5.124	ug/l	100
86) p-Isopropyltoluene	13.51	119	49050	4.923	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	26877	5.405	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	26668	5.374	ug/l	93
89) n-Butylbenzene	13.84	91	47996	5.078	ug/l	98
90) Hexachloroethane	14.11	117	9085	4.931	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	21910	5.115	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1959	6.460	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	17718	5.462	ug/l	92
94) Hexachlorobutadiene	15.27	225	10306	5.615	ug/l	93
95) Naphthalene	15.40	128	27214	4.657	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.59	180	15443	5.367	ug/l	97

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

