

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063864.D
 Acq On : 02 Oct 2019 17:17
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:59 PM

Quant Time: Oct 03 04:02:21 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	204094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	34892	18.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.04%	
35) Dibromofluoromethane	7.93	113	36341	18.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	36.00%	
50) Toluene-d8	10.34	98	145942	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
62) 4-Bromofluorobenzene	12.63	95	51346	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26575	18.655	ug/l	96
3) Chloromethane	2.21	50	91920	21.342	ug/l	98
4) Vinyl Chloride	2.35	62	100008	22.696	ug/l	99
5) Bromomethane	2.76	94	59819	22.962	ug/l	97
6) Chloroethane	2.91	64	65069	21.503	ug/l	91
7) Trichlorofluoromethane	3.26	101	129380	21.970	ug/l	96
8) Diethyl Ether	3.70	74	18330	18.810	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	33798	19.635	ug/l	98
10) Methyl Iodide	4.29	142	46839	22.350	ug/l	98
11) Tert butyl alcohol	5.26	59	13922	91.611	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	33492	19.206	ug/l	81
13) Acrolein	3.92	56	18731	102.574	ug/l	96
14) Allyl chloride	4.70	41	61068	21.921	ug/l	96
15) Acrylonitrile	5.43	53	45136	106.231	ug/l	99
16) Acetone	4.17	43	44058	95.967	ug/l #	75
17) Carbon Disulfide	4.40	76	123601	20.792	ug/l #	94
18) Methyl Acetate	4.72	43	21503	20.144	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	86495	19.703	ug/l	99
20) Methylene Chloride	4.96	84	51560	19.693	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	41388	20.213	ug/l	88
22) Diisopropyl ether	6.37	45	119865	20.974	ug/l	98
23) Vinyl Acetate	6.31	43	358780	105.541	ug/l	100
24) 1,1-Dichloroethane	6.26	63	73307	21.010	ug/l	97
25) 2-Butanone	7.23	43	57699	98.987	ug/l	98
26) 2,2-Dichloropropane	7.21	77	63072	19.543	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	46266	20.240	ug/l	97
28) Bromochloromethane	7.56	49	21198	15.798	ug/l	96
29) Tetrahydrofuran	7.57	42	36884	108.294	ug/l	92
30) Chloroform	7.71	83	81294	21.562	ug/l	92
31) Cyclohexane	7.98	56	67290	19.648	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	66386	19.527	ug/l	99
36) 1,1-Dichloropropene	8.11	75	60618	20.884	ug/l	98
37) Ethyl Acetate	7.30	43	27220	21.970	ug/l #	93
38) Carbon Tetrachloride	8.10	117	59352	19.782	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72642	20.155	ug/l	95
40) Benzene	8.36	78	171965	21.368	ug/l	93
41) Methacrylonitrile	7.54	41	15642	22.326	ug/l	84
42) 1,2-Dichloroethane	8.43	62	50086	21.245	ug/l	97
43) Isopropyl Acetate	8.46	43	51558	21.091	ug/l	96
44) Trichloroethene	9.11	130	49968	21.398	ug/l	97
45) 1,2-Dichloropropane	9.39	63	41189	20.687	ug/l	99
46) Dibromomethane	9.47	93	23196	20.605	ug/l	97
47) Bromodichloromethane	9.67	83	60972	21.086	ug/l	94
48) Methyl methacrylate	9.46	41	24972	22.411	ug/l	95
49) 1,4-Dioxane	9.47	88	6177	387.375	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	131381	105.967	ug/l	96
52) Toluene	10.40	92	116202	21.247	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	60064	20.942	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	68367	21.049	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	33268	20.990	ug/l	96
56) Ethyl methacrylate	10.66	69	42162	20.863	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57808	21.323	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	82174	91.016	ug/l	97
59) 2-Hexanone	10.98	43	93101	103.546	ug/l	98
60) Dibromochloromethane	11.14	129	42101	20.106	ug/l	98
61) 1,2-Dibromoethane	11.25	107	32713	20.572	ug/l	95
64) Tetrachloroethene	10.88	164	41620	19.455	ug/l	95
65) Chlorobenzene	11.67	112	129223	20.145	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	45288	19.243	ug/l	98
67) Ethyl Benzene	11.74	91	236760	20.538	ug/l	100
68) m/p-Xylenes	11.86	106	175305	39.403	ug/l	95
69) o-Xylene	12.18	106	84767	20.242	ug/l	97
70) Styrene	12.19	104	143797	20.216	ug/l	98
71) Bromoform	12.36	173	24465	18.797	ug/l #	92
73) Isopropylbenzene	12.48	105	231794	20.215	ug/l	98
74) N-amyl acetate	12.29	43	51590	20.489	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	38822	20.230	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	17073m	13.355	ug/l	
77) Bromobenzene	12.76	156	55508	20.034	ug/l	98
78) n-propylbenzene	12.82	91	268613	19.894	ug/l	98
79) 2-Chlorotoluene	12.91	91	147970	20.341	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	189495	19.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13397	20.879	ug/l	94
82) 4-Chlorotoluene	13.00	91	158896	20.403	ug/l	96
83) tert-Butylbenzene	13.23	119	167242	19.957	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	198507	20.461	ug/l	97
85) sec-Butylbenzene	13.40	105	231980	19.972	ug/l	98
86) p-Isopropyltoluene	13.51	119	215762	19.830	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	109030	20.080	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	109770	20.256	ug/l	99
89) n-Butylbenzene	13.84	91	206523	20.009	ug/l	98
90) Hexachloroethane	14.11	117	38083	18.930	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	97786	20.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6511	19.663	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70754	19.976	ug/l	98
94) Hexachlorobutadiene	15.27	225	38288	19.102	ug/l	93
95) Naphthalene	15.40	128	120933	18.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	60098	19.125	ug/l	98

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

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