

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064083.D
 Acq On : 29 Oct 2019 12:15
 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

Quant Time: Oct 30 07:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

10/30/2019 10:58:00 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	7333	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
35) Dibromofluoromethane	7.93	113	9434	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
50) Toluene-d8	10.34	98	34732	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
62) 4-Bromofluorobenzene	12.63	95	11580	4.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	9714	4.615	ug/l 93
3) Chloromethane	2.21	50	19830	5.647	ug/l 99
4) Vinyl Chloride	2.35	62	20182	5.300	ug/l 96
5) Bromomethane	2.77	94	12583	5.070	ug/l 92
6) Chloroethane	2.93	64	11887	5.026	ug/l 89
7) Trichlorofluoromethane	3.28	101	28620	5.459	ug/l 96
8) Diethyl Ether	3.70	74	5125	5.624	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	9884	5.232	ug/l 98
10) Methyl Iodide	4.30	142	9521	4.068	ug/l # 87
11) Tert butyl alcohol	5.25	59	1450	10.493	ug/l # 71
12) 1,1-Dichloroethene	4.05	96	9301	5.202	ug/l # 87
13) Acrolein	3.93	56	3249	31.083	ug/l 85
14) Allyl chloride	4.71	41	9572	4.574	ug/l 94
15) Acrylonitrile	5.44	53	8246	24.498	ug/l # 70
16) Acetone	4.16	43	7475	23.965	ug/l # 84
17) Carbon Disulfide	4.40	76	25842	4.703	ug/l 97
18) Methyl Acetate	4.73	43	4835	5.828	ug/l # 78
19) Methyl tert-butyl Ether	5.49	73	18711	5.157	ug/l 94
20) Methylene Chloride	4.97	84	13753	6.171	ug/l # 83
21) trans-1,2-Dichloroethene	5.47	96	9844	4.904	ug/l 92
22) Diisopropyl ether	6.38	45	22065	4.761	ug/l # 89
23) Vinyl Acetate	6.31	43	46189	17.804	ug/l 98
24) 1,1-Dichloroethane	6.27	63	16532	5.282	ug/l 94
25) 2-Butanone	7.22	43	9915	22.994	ug/l # 80
26) 2,2-Dichloropropane	7.21	77	15489	5.214	ug/l 88
27) cis-1,2-Dichloroethene	7.21	96	11820	5.263	ug/l 95
28) Bromochloromethane	7.56	49	6421	5.624	ug/l # 98
29) Tetrahydrofuran	7.58	42	5708	22.682	ug/l 95
30) Chloroform	7.72	83	18016	5.031	ug/l # 77
31) Cyclohexane	7.98	56	17176	5.633	ug/l # 69
32) 1,1,1-Trichloroethane	7.91	97	16906	5.071	ug/l 96
36) 1,1-Dichloropropene	8.11	75	16507	5.528	ug/l 92
37) Ethyl Acetate	7.30	43	4459	4.851	ug/l # 93
38) Carbon Tetrachloride	8.10	117	16053	4.927	ug/l # 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16943	4.622	ug/l	90
40) Benzene	8.35	78	40811	5.012	ug/l	97
41) Methacrylonitrile	7.54	41	2533m	4.061	ug/l	
42) 1,2-Dichloroethane	8.43	62	11086	5.154	ug/l	100
43) Isopropyl Acetate	8.46	43	8923	4.804	ug/l #	75
44) Trichloroethene	9.11	130	11974	4.851	ug/l	70
45) 1,2-Dichloropropane	9.38	63	9628	5.102	ug/l	91
46) Dibromomethane	9.48	93	5419	4.768	ug/l	88
47) Bromodichloromethane	9.67	83	13695	4.776	ug/l #	88
48) Methyl methacrylate	9.47	41	4236	4.931	ug/l #	87
49) 1,4-Dioxane	9.46	88	1002	77.016	ug/l #	80
51) 4-Methyl-2-Pentanone	10.24	43	22052	21.806	ug/l	90
52) Toluene	10.40	92	25301	4.433	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	11743	4.387	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	14937	4.743	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	7485	4.645	ug/l #	88
56) Ethyl methacrylate	10.67	69	6744	3.854	ug/l	95
57) 1,3-Dichloropropane	10.96	76	12818	4.810	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	19044	26.975	ug/l	99
59) 2-Hexanone	10.99	43	13748	19.076	ug/l	97
60) Dibromochloromethane	11.14	129	9904	4.528	ug/l	98
61) 1,2-Dibromoethane	11.26	107	6610	4.101	ug/l	91
64) Tetrachloroethene	10.87	164	10839	5.007	ug/l	91
65) Chlorobenzene	11.67	112	30330	4.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	11327	4.862	ug/l	95
67) Ethyl Benzene	11.75	91	49393	4.460	ug/l	99
68) m/p-Xylenes	11.86	106	39791	8.934	ug/l	98
69) o-Xylene	12.18	106	18311	4.505	ug/l	95
70) Styrene	12.20	104	30942	4.414	ug/l	97
71) Bromoform	12.37	173	6020	4.839	ug/l #	97
73) Isopropylbenzene	12.48	105	46473	4.300	ug/l	97
74) N-amyl acetate	12.29	43	7940	4.423	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	8130	4.773	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	4499m	2.332	ug/l	
77) Bromobenzene	12.76	156	12940	4.959	ug/l	92
78) n-propylbenzene	12.83	91	57324	4.526	ug/l	99
79) 2-Chlorotoluene	12.91	91	30993	4.565	ug/l	95
80) 1,3,5-Trimethylbenzene	12.97	105	42419	4.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2248	4.393	ug/l	86
82) 4-Chlorotoluene	13.01	91	35499	4.894	ug/l	98
83) tert-Butylbenzene	13.23	119	35986	4.430	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	40664	4.476	ug/l	97
85) sec-Butylbenzene	13.40	105	49793	4.463	ug/l	99
86) p-Isopropyltoluene	13.52	119	43391	4.140	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	24794	4.742	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	26730	5.186	ug/l	94
89) n-Butylbenzene	13.84	91	43825	4.533	ug/l	98
90) Hexachloroethane	14.11	117	9446	4.813	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	23045	5.121	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1178	4.735	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14621	4.520	ug/l	94
94) Hexachlorobutadiene	15.27	225	8607	4.553	ug/l	91
95) Naphthalene	15.41	128	23306	4.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	13347	4.764	ug/l	98

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

