

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064084.D
 Acq On : 29 Oct 2019 12:42
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:04 AM

Quant Time: Oct 30 07:45:20 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	210832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	18459	11.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.02%	
35) Dibromofluoromethane	7.92	113	20424	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	10.34	98	77973	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
62) 4-Bromofluorobenzene	12.64	95	25000	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24659	11.454	ug/l	94
3) Chloromethane	2.21	50	39502	10.997	ug/l	99
4) Vinyl Chloride	2.35	62	41501	10.654	ug/l	99
5) Bromomethane	2.77	94	26195	10.319	ug/l	83
6) Chloroethane	2.93	64	26952	11.140	ug/l	92
7) Trichlorofluoromethane	3.27	101	55406	10.333	ug/l #	83
8) Diethyl Ether	3.70	74	10750	11.534	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20394	10.554	ug/l	97
10) Methyl Iodide	4.30	142	22782	9.516	ug/l	99
11) Tert butyl alcohol	5.25	59	5180	36.649	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	19807	10.830	ug/l #	84
13) Acrolein	3.93	56	4839	45.261	ug/l	86
14) Allyl chloride	4.71	41	21925	10.243	ug/l	95
15) Acrylonitrile	5.43	53	16927	49.165	ug/l #	95
16) Acetone	4.17	43	14667	45.973	ug/l	89
17) Carbon Disulfide	4.40	76	57137	10.166	ug/l	95
18) Methyl Acetate	4.72	43	8061	9.499	ug/l #	87
19) Methyl tert-butyl Ether	5.49	73	37037	9.980	ug/l	100
20) Methylene Chloride	4.96	84	25471	11.174	ug/l	88
21) trans-1,2-Dichloroethene	5.46	96	21190	10.321	ug/l	90
22) Diisopropyl ether	6.37	45	45494	9.597	ug/l #	97
23) Vinyl Acetate	6.31	43	131473	49.545	ug/l	93
24) 1,1-Dichloroethane	6.27	63	31557	9.858	ug/l #	96
25) 2-Butanone	7.23	43	21613	49.003	ug/l	96
26) 2,2-Dichloropropane	7.21	77	31809	10.469	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	22366	9.736	ug/l	99
28) Bromochloromethane	7.55	49	9264	7.933	ug/l #	96
29) Tetrahydrofuran	7.57	42	12452	48.375	ug/l #	92
30) Chloroform	7.72	83	39448	10.769	ug/l	95
31) Cyclohexane	7.98	56	33615	10.778	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	34916	10.240	ug/l	98
36) 1,1-Dichloropropene	8.12	75	28773	9.562	ug/l	97
37) Ethyl Acetate	7.30	43	8210	8.864	ug/l #	94
38) Carbon Tetrachloride	8.10	117	32475	9.892	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35629	9.646	ug/l	93
40) Benzene	8.35	78	77681	9.467	ug/l	100
41) Methacrylonitrile	7.53	41	4351m	6.923	ug/l	
42) 1,2-Dichloroethane	8.43	62	20955	9.668	ug/l	88
43) Isopropyl Acetate	8.46	43	18343	9.800	ug/l #	59
44) Trichloroethene	9.11	130	24831	9.984	ug/l	96
45) 1,2-Dichloropropane	9.38	63	19129	10.059	ug/l	98
46) Dibromomethane	9.47	93	11792	10.296	ug/l	90
47) Bromodichloromethane	9.66	83	28556	9.883	ug/l #	84
48) Methyl methacrylate	9.46	41	7506	8.672	ug/l #	85
49) 1,4-Dioxane	9.46	88	2427	185.131	ug/l #	88
51) 4-Methyl-2-Pentanone	10.24	43	47080	46.203	ug/l	99
52) Toluene	10.40	92	55435	9.640	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	24554	9.104	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	29048	9.154	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	15969	9.835	ug/l	96
56) Ethyl methacrylate	10.67	69	14552	8.253	ug/l	92
57) 1,3-Dichloropropane	10.95	76	25439	9.473	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	31208	43.870	ug/l	98
59) 2-Hexanone	10.98	43	32276	44.445	ug/l	97
60) Dibromochloromethane	11.14	129	22001	9.983	ug/l	99
61) 1,2-Dibromoethane	11.25	107	15976	9.837	ug/l	98
64) Tetrachloroethene	10.88	164	21710	10.069	ug/l	88
65) Chlorobenzene	11.67	112	60687	9.786	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	23462	10.111	ug/l	98
67) Ethyl Benzene	11.75	91	107022	9.703	ug/l	91
68) m/p-Xylenes	11.85	106	85093	19.180	ug/l	98
69) o-Xylene	12.18	106	38687	9.555	ug/l	97
70) Styrene	12.20	104	66605	9.538	ug/l	96
71) Bromoform	12.37	173	12474	10.066	ug/l #	98
73) Isopropylbenzene	12.48	105	107370	10.046	ug/l	98
74) N-amyl acetate	12.30	43	16306	9.184	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	17721	10.519	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	9875m	5.175	ug/l	
77) Bromobenzene	12.77	156	27066	10.489	ug/l	98
78) n-propylbenzene	12.83	91	121983	9.739	ug/l	99
79) 2-Chlorotoluene	12.91	91	68078	10.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	86994	9.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	4327	8.551	ug/l #	79
82) 4-Chlorotoluene	13.01	91	71096	9.910	ug/l	99
83) tert-Butylbenzene	13.23	119	81944	10.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	87658	9.755	ug/l	97
85) sec-Butylbenzene	13.41	105	107602	9.753	ug/l	98
86) p-Isopropyltoluene	13.52	119	101712	9.812	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	51115	9.885	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	51405	10.084	ug/l	97
89) n-Butylbenzene	13.85	91	90650	9.481	ug/l	97
90) Hexachloroethane	14.12	117	18737	9.654	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	44886	10.086	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2599	10.564	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	32851	10.269	ug/l	98
94) Hexachlorobutadiene	15.27	225	18795	10.053	ug/l	97
95) Naphthalene	15.40	128	50077	9.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	29435	10.623	ug/l	98

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

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