

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064085.D
 Acq On : 29 Oct 2019 13:09
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:09 AM

Quant Time: Oct 30 07:47:28 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	211623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	312065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	295626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161129	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	33453	19.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.76%	
35) Dibromofluoromethane	7.92	113	38373	19.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.98%	
50) Toluene-d8	10.34	98	157039	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.64	95	49499	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	47299	21.888	ug/l	96
3) Chloromethane	2.21	50	78115	21.666	ug/l	96
4) Vinyl Chloride	2.35	62	84805	21.690	ug/l	98
5) Bromomethane	2.76	94	52673	20.672	ug/l	92
6) Chloroethane	2.92	64	53516	22.037	ug/l	92
7) Trichlorofluoromethane	3.27	101	118187	21.958	ug/l	99
8) Diethyl Ether	3.70	74	17445	18.647	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	41522	21.407	ug/l	98
10) Methyl Iodide	4.29	142	48031	19.987	ug/l	99
11) Tert butyl alcohol	5.25	59	7877	55.522	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	37611	20.488	ug/l	89
13) Acrolein	3.93	56	9911	92.355	ug/l	98
14) Allyl chloride	4.71	41	43945	20.453	ug/l	98
15) Acrylonitrile	5.43	53	34083	98.625	ug/l	99
16) Acetone	4.17	43	28411	88.720	ug/l	99
17) Carbon Disulfide	4.40	76	118205	20.954	ug/l #	94
18) Methyl Acetate	4.72	43	16067	18.862	ug/l #	71
19) Methyl tert-butyl Ether	5.49	73	72877	19.564	ug/l	96
20) Methylene Chloride	4.96	84	46424	20.289	ug/l #	87
21) trans-1,2-Dichloroethene	5.48	96	43510	21.114	ug/l	98
22) Diisopropyl ether	6.37	45	94408	19.840	ug/l	96
23) Vinyl Acetate	6.31	43	270886	101.701	ug/l	95
24) 1,1-Dichloroethane	6.26	63	67647	21.052	ug/l	97
25) 2-Butanone	7.22	43	43806	98.950	ug/l	93
26) 2,2-Dichloropropane	7.21	77	61892	20.294	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	46652	20.232	ug/l	97
28) Bromochloromethane	7.55	49	18087	15.431	ug/l	97
29) Tetrahydrofuran	7.58	42	24759	95.826	ug/l	96
30) Chloroform	7.71	83	74875	20.364	ug/l	95
31) Cyclohexane	7.98	56	63162	20.176	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	71058	20.761	ug/l	97
36) 1,1-Dichloropropene	8.11	75	60722	20.766	ug/l	95
37) Ethyl Acetate	7.30	43	18562	20.623	ug/l #	94
38) Carbon Tetrachloride	8.10	117	68322	21.415	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71746	19.987	ug/l	91
40) Benzene	8.35	78	162544	20.384	ug/l	99
41) Methacrylonitrile	7.53	41	9120	14.931	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	42910	20.372	ug/l	100
43) Isopropyl Acetate	8.46	43	34591	19.017	ug/l	95
44) Trichloroethene	9.12	130	49385	20.434	ug/l	99
45) 1,2-Dichloropropane	9.39	63	36157	19.566	ug/l	100
46) Dibromomethane	9.48	93	22197	19.944	ug/l	95
47) Bromodichloromethane	9.67	83	56183	20.010	ug/l	99
48) Methyl methacrylate	9.46	41	16733	19.893	ug/l	95
49) 1,4-Dioxane	9.47	88	5262	413.033	ug/l #	59
51) 4-Methyl-2-Pentanone	10.23	43	96425	97.375	ug/l	100
52) Toluene	10.41	92	112575	20.145	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	51191	19.531	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	61292	19.877	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31483	19.952	ug/l	96
56) Ethyl methacrylate	10.67	69	33746	19.695	ug/l	96
57) 1,3-Dichloropropane	10.95	76	51917	19.894	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	66135	95.665	ug/l	99
59) 2-Hexanone	10.99	43	68011	96.371	ug/l	97
60) Dibromochloromethane	11.14	129	42088	19.651	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32601	20.657	ug/l	98
64) Tetrachloroethene	10.88	164	45095	21.233	ug/l	93
65) Chlorobenzene	11.67	112	125863	20.605	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	45506	19.910	ug/l	96
67) Ethyl Benzene	11.75	91	221322	20.371	ug/l	98
68) m/p-Xylenes	11.86	106	180830	41.380	ug/l	100
69) o-Xylene	12.18	106	81623	20.466	ug/l	98
70) Styrene	12.20	104	136822	19.891	ug/l	97
71) Bromoform	12.36	173	24906	20.404	ug/l #	100
73) Isopropylbenzene	12.48	105	232998	20.809	ug/l	100
74) N-amyl acetate	12.30	43	35852	19.274	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	35065	19.868	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	21940m	10.975	ug/l	
77) Bromobenzene	12.76	156	52558	19.441	ug/l	95
78) n-propylbenzene	12.83	91	264474	20.156	ug/l	99
79) 2-Chlorotoluene	12.91	91	140767	20.013	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	184045	19.640	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10385	19.589	ug/l	96
82) 4-Chlorotoluene	13.01	91	148392	19.744	ug/l	100
83) tert-Butylbenzene	13.23	119	169076	20.088	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	189619	20.143	ug/l	98
85) sec-Butylbenzene	13.41	105	231953	20.068	ug/l	96
86) p-Isopropyltoluene	13.52	119	219238	20.187	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	111290	20.542	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	106286	19.902	ug/l	98
89) n-Butylbenzene	13.85	91	201858	20.152	ug/l	99
90) Hexachloroethane	14.12	117	40621	19.978	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	94492	20.267	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5456	21.168	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68615	20.473	ug/l	95
94) Hexachlorobutadiene	15.27	225	41715	21.297	ug/l	99
95) Naphthalene	15.41	128	106108	19.413	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	58021	19.987	ug/l	99

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

