

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064089.D
 Acq On : 29 Oct 2019 15:09
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:32 AM

Quant Time: Oct 30 08:05:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	264561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	391890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204595	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	114123	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	7.91	113	132481	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	10.34	98	524307	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
62) 4-Bromofluorobenzene	12.64	95	179072	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	149805	55.453	ug/l	99
3) Chloromethane	2.21	50	215738	47.864	ug/l	100
4) Vinyl Chloride	2.35	62	239583	49.016	ug/l	100
5) Bromomethane	2.77	94	154691	48.562	ug/l	94
6) Chloroethane	2.92	64	144580	47.623	ug/l	99
7) Trichlorofluoromethane	3.27	101	331351	49.244	ug/l	99
8) Diethyl Ether	3.70	74	56460	48.273	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	128243	52.887	ug/l	99
10) Methyl Iodide	4.29	142	165057	54.941	ug/l	97
11) Tert butyl alcohol	5.24	59	28241	233.675	ug/l	100
12) 1,1-Dichloroethene	4.06	96	122765	53.494	ug/l	84
13) Acrolein	3.92	56	33573	250.247	ug/l	99
14) Allyl chloride	4.71	41	144692	53.867	ug/l	97
15) Acrylonitrile	5.43	53	104938	242.895	ug/l	98
16) Acetone	4.17	43	117480	293.451	ug/l	99
17) Carbon Disulfide	4.40	76	377198	53.485	ug/l	100
18) Methyl Acetate	4.72	43	52733	49.519	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	232904	50.013	ug/l	96
20) Methylene Chloride	4.96	84	137448	54.078	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	136575	53.014	ug/l	98
22) Diisopropyl ether	6.37	45	321325	54.015	ug/l	96
23) Vinyl Acetate	6.31	43	879090	269.593	ug/l	95
24) 1,1-Dichloroethane	6.26	63	209478	52.147	ug/l	99
25) 2-Butanone	7.22	43	140786	254.377	ug/l	97
26) 2,2-Dichloropropane	7.21	77	189303	49.651	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	152376	52.859	ug/l	96
28) Bromochloromethane	7.55	49	81056	51.686	ug/l	99
29) Tetrahydrofuran	7.57	42	78923	244.339	ug/l	96
30) Chloroform	7.71	83	230705	50.189	ug/l	99
31) Cyclohexane	7.99	56	195574	49.973	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	225030	52.591	ug/l	97
36) 1,1-Dichloropropene	8.11	75	185161	50.423	ug/l	98
37) Ethyl Acetate	7.29	43	59185	52.363	ug/l #	93
38) Carbon Tetrachloride	8.10	117	209483	52.285	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	241055	53.476	ug/l	92
40) Benzene	8.35	78	520231	51.952	ug/l	97
41) Methacrylonitrile	7.54	41	34397m	52.734	ug/l	
42) 1,2-Dichloroethane	8.43	62	131565	49.739	ug/l	97
43) Isopropyl Acetate	8.46	43	113839	49.837	ug/l	99
44) Trichloroethene	9.11	130	157450	51.877	ug/l	95
45) 1,2-Dichloropropane	9.39	63	115974	49.974	ug/l	98
46) Dibromomethane	9.48	93	68367	48.915	ug/l	97
47) Bromodichloromethane	9.67	83	183024	51.907	ug/l	98
48) Methyl methacrylate	9.46	41	55992	53.006	ug/l	95
49) 1,4-Dioxane	9.46	88	16173	1010.893	ug/l #	90
51) 4-Methyl-2-Pentanone	10.24	43	306079	246.135	ug/l	100
52) Toluene	10.41	92	365073	52.022	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	173938	52.846	ug/l #	84
54) cis-1,3-Dichloropropene	10.10	75	200997	51.905	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	98313	49.613	ug/l	96
56) Ethyl methacrylate	10.67	69	109986	45.927	ug/l	98
57) 1,3-Dichloropropane	10.95	76	159503	48.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	223322	257.238	ug/l	100
59) 2-Hexanone	10.99	43	228511	234.979	ug/l	98
60) Dibromochloromethane	11.14	129	134987	50.188	ug/l	100
61) 1,2-Dibromoethane	11.25	107	97692	49.291	ug/l	99
64) Tetrachloroethene	10.88	164	144926	53.792	ug/l	94
65) Chlorobenzene	11.67	112	411180	53.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	152621	52.638	ug/l	98
67) Ethyl Benzene	11.75	91	746380	54.154	ug/l	100
68) m/p-Xylenes	11.86	106	597198	107.726	ug/l	99
69) o-Xylene	12.18	106	273237	54.006	ug/l	98
70) Styrene	12.20	104	479596	54.963	ug/l	98
71) Bromoform	12.37	173	78737	50.847	ug/l #	99
73) Isopropylbenzene	12.48	105	772438	54.331	ug/l	98
74) N-amyl acetate	12.30	43	125323	53.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	109578	48.898	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	68656m	49.940	ug/l	
77) Bromobenzene	12.77	156	180568	52.603	ug/l	99
78) n-propylbenzene	12.83	91	914242	54.873	ug/l	99
79) 2-Chlorotoluene	12.91	91	482634	54.039	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	644765	54.187	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35473	52.696	ug/l	98
82) 4-Chlorotoluene	13.01	91	514001	53.860	ug/l	99
83) tert-Butylbenzene	13.23	119	584835	54.723	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	648709	54.271	ug/l	99
85) sec-Butylbenzene	13.41	105	827988	56.416	ug/l	100
86) p-Isopropyltoluene	13.52	119	778392	56.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	369010	53.643	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	360217	53.120	ug/l	99
89) n-Butylbenzene	13.85	91	715708	56.271	ug/l	98
90) Hexachloroethane	14.12	117	138721	53.731	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	310798	52.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16221	49.563	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	231954	54.507	ug/l	99
94) Hexachlorobutadiene	15.27	225	138110	55.530	ug/l	99
95) Naphthalene	15.41	128	380714	54.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	198492	53.850	ug/l	97

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

