

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064086.D
 Acq On : 29 Oct 2019 13:37
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:17 AM

Quant Time: Oct 30 07:48:56 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	240378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	355583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	203882	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	98231	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	7.92	113	112502	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.34	98	440793	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.64	95	148770	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.98	85	121534	49.514	ug/l	100
3) Chloromethane	2.21	50	200190	48.882	ug/l	100
4) Vinyl Chloride	2.35	62	224387	50.525	ug/l	100
5) Bromomethane	2.77	94	150307	51.932	ug/l	100
6) Chloroethane	2.92	64	138683	50.276	ug/l	100
7) Trichlorofluoromethane	3.27	101	310070	50.717	ug/l	100
8) Diethyl Ether	3.71	74	50962	47.956	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	109676	49.780	ug/l	100
10) Methyl Iodide	4.30	142	148547	54.420	ug/l	100
11) Tert butyl alcohol	5.24	59	27022	167.683	ug/l	100
12) 1,1-Dichloroethene	4.06	96	102647	49.227	ug/l	100
13) Acrolein	3.93	56	31112	255.233	ug/l	100
14) Allyl chloride	4.71	41	124754	51.117	ug/l	100
15) Acrylonitrile	5.43	53	100087	254.973	ug/l	100
16) Acetone	4.16	43	104335	286.835	ug/l	100
17) Carbon Disulfide	4.41	76	323896	50.547	ug/l	100
18) Methyl Acetate	4.73	43	47477	49.069	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	212178	50.146	ug/l	100
20) Methylene Chloride	4.97	84	117545	45.227	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	117306	50.115	ug/l	100
22) Diisopropyl ether	6.37	45	274648	50.813	ug/l	100
23) Vinyl Acetate	6.31	43	788381	260.581	ug/l	100
24) 1,1-Dichloroethane	6.26	63	184368	50.513	ug/l	100
25) 2-Butanone	7.22	43	132084	262.663	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173169	49.988	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	131097	50.053	ug/l	100
28) Bromochloromethane	7.56	49	72628	54.552	ug/l	100
29) Tetrahydrofuran	7.57	42	76138	259.431	ug/l	100
30) Chloroform	7.71	83	205672	49.245	ug/l	100
31) Cyclohexane	7.98	56	167382	47.072	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	193056	49.657	ug/l	100
36) 1,1-Dichloropropene	8.11	75	162220	49.735	ug/l	100
37) Ethyl Acetate	7.30	43	52716	52.509	ug/l	100
38) Carbon Tetrachloride	8.10	117	182842	51.379	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214086	53.469	ug/l	100
40) Benzene	8.35	78	458563	51.556	ug/l	100
41) Methacrylonitrile	7.53	41	29929	43.929	ug/l	100
42) 1,2-Dichloroethane	8.43	62	123852	52.715	ug/l	100
43) Isopropyl Acetate	8.46	43	104208	51.361	ug/l	100
44) Trichloroethene	9.11	130	140633	52.167	ug/l	100
45) 1,2-Dichloropropane	9.40	63	104201	50.551	ug/l	100
46) Dibromomethane	9.48	93	64707	52.122	ug/l	100
47) Bromodichloromethane	9.67	83	165121	52.722	ug/l	100
48) Methyl methacrylate	9.46	41	49245	52.486	ug/l	100
49) 1,4-Dioxane	9.47	88	16072	1130.992	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	294867	266.956	ug/l	100
52) Toluene	10.41	92	326085	52.314	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	158827	54.327	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	182219	52.978	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	92701	52.667	ug/l	100
56) Ethyl methacrylate	10.67	69	104754	54.810	ug/l	100
57) 1,3-Dichloropropane	10.95	76	152961	52.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	197493	256.112	ug/l	100
59) 2-Hexanone	10.99	43	221772	281.729	ug/l	100
60) Dibromochloromethane	11.14	129	126306	52.870	ug/l	100
61) 1,2-Dibromoethane	11.25	107	94376	53.610	ug/l	100
64) Tetrachloroethene	10.88	164	129449	50.674	ug/l	100
65) Chlorobenzene	11.67	112	375457	51.102	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	139695	50.813	ug/l	100
67) Ethyl Benzene	11.75	91	668613	51.164	ug/l	100
68) m/p-Xylenes	11.85	106	544995	103.683	ug/l	100
69) o-Xylene	12.18	106	249348	51.979	ug/l	100
70) Styrene	12.20	104	441578	53.373	ug/l	100
71) Bromoform	12.37	173	74929	51.033	ug/l #	100
73) Isopropylbenzene	12.48	105	703263	49.638	ug/l	100
74) N-amyl acetate	12.30	43	120598	51.238	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	107492	48.135	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	73889m	29.210	ug/l	
77) Bromobenzene	12.77	156	167534	48.976	ug/l	100
78) n-propylbenzene	12.83	91	827283	49.827	ug/l	100
79) 2-Chlorotoluene	12.91	91	437499	49.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	597541	50.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34200	50.983	ug/l	100
82) 4-Chlorotoluene	13.01	91	473542	49.794	ug/l	100
83) tert-Butylbenzene	13.23	119	539707	50.677	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	600129	50.383	ug/l	100
85) sec-Butylbenzene	13.41	105	754733	51.605	ug/l	100
86) p-Isopropyltoluene	13.52	119	715840	52.093	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	344703	50.285	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	335799	49.692	ug/l	100
89) n-Butylbenzene	13.85	91	660856	52.140	ug/l	100
90) Hexachloroethane	14.11	117	127806	49.677	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	295056	50.014	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15590	47.801	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	215681	50.860	ug/l	100
94) Hexachlorobutadiene	15.27	225	126798	51.160	ug/l	100
95) Naphthalene	15.41	128	356383	51.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	177953	48.446	ug/l	100

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

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