

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064467.D
 Acq On : 06 Dec 2019 19:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/9/2019 2:03:55 PM

Quant Time: Dec 06 23:48:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	211980	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.92	113	214133	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.34	98	798212	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.64	95	252841	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	179772	44.382	ug/l	98
3) Chloromethane	2.21	50	244307	47.820	ug/l	99
4) Vinyl Chloride	2.35	62	285915	48.470	ug/l	100
5) Bromomethane	2.77	94	201339	46.155	ug/l	99
6) Chloroethane	2.93	64	198329	50.303	ug/l	100
7) Trichlorofluoromethane	3.27	101	484696	49.428	ug/l	96
8) Diethyl Ether	3.71	74	102536	50.319	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	203338	48.361	ug/l	97
10) Methyl Iodide	4.30	142	233889	52.675	ug/l	100
11) Tert butyl alcohol	5.26	59	60951	236.640	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	197568	49.032	ug/l	95
13) Acrolein	3.93	56	79115	225.194	ug/l	97
14) Allyl chloride	4.71	41	319141	50.751	ug/l	98
15) Acrylonitrile	5.44	53	219252	246.052	ug/l	99
16) Acetone	4.17	43	185158	226.444	ug/l	95
17) Carbon Disulfide	4.40	76	618120	48.436	ug/l	97
18) Methyl Acetate	4.73	43	118764	49.794	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	469163	50.760	ug/l	100
20) Methylene Chloride	4.96	84	229785	55.826	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	229466	50.346	ug/l	99
22) Diisopropyl ether	6.37	45	638813	51.459	ug/l	97
23) Vinyl Acetate	6.31	43	1893290	258.702	ug/l	99
24) 1,1-Dichloroethane	6.27	63	382170	51.191	ug/l	98
25) 2-Butanone	7.22	43	280444	242.522	ug/l	97
26) 2,2-Dichloropropane	7.21	77	321965	49.591	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	253131	50.942	ug/l	100
28) Bromochloromethane	7.55	49	139272	54.588	ug/l	98
29) Tetrahydrofuran	7.57	42	181952	247.315	ug/l	98
30) Chloroform	7.71	83	393385	50.879	ug/l	99
31) Cyclohexane	7.98	56	331268	50.908	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	364041	50.786	ug/l	98
36) 1,1-Dichloropropene	8.11	75	306027	48.464	ug/l	99
37) Ethyl Acetate	7.30	43	130740	48.795	ug/l	99
38) Carbon Tetrachloride	8.10	117	325093	48.780	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	370168	47.258	ug/l	98
40) Benzene	8.35	78	870645	49.643	ug/l	100
41) Methacrylonitrile	7.53	41	85000	55.318	ug/l	98
42) 1,2-Dichloroethane	8.43	62	258011	50.446	ug/l	99
43) Isopropyl Acetate	8.46	43	256943	48.773	ug/l	99
44) Trichloroethene	9.11	130	255601	48.382	ug/l	97
45) 1,2-Dichloropropane	9.39	63	216395	51.592	ug/l	97
46) Dibromomethane	9.48	93	118835	50.199	ug/l	99
47) Bromodichloromethane	9.66	83	317008	52.116	ug/l	99
48) Methyl methacrylate	9.46	41	120707	50.072	ug/l	96
49) 1,4-Dioxane	9.47	88	28181	964.022	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	648414	248.754	ug/l	100
52) Toluene	10.40	92	557308	48.760	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	291092	50.214	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	350998	50.967	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	160045	49.374	ug/l	96
56) Ethyl methacrylate	10.67	69	208313	50.386	ug/l	99
57) 1,3-Dichloropropane	10.95	76	276336	50.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	389293	236.205	ug/l	100
59) 2-Hexanone	10.99	43	431523	238.578	ug/l	98
60) Dibromochloromethane	11.14	129	224054	50.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	159686	49.339	ug/l	100
64) Tetrachloroethene	10.88	164	218812	47.038	ug/l	97
65) Chlorobenzene	11.67	112	614216	48.276	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	235913	50.089	ug/l	98
67) Ethyl Benzene	11.75	91	1082171	47.805	ug/l	99
68) m/p-Xylenes	11.86	106	841492	97.493	ug/l	99
69) o-Xylene	12.18	106	389072	48.808	ug/l	99
70) Styrene	12.20	104	679636	49.062	ug/l	99
71) Bromoform	12.37	173	135249	47.997	ug/l #	96
73) Isopropylbenzene	12.48	105	1032294	47.003	ug/l	99
74) N-amyl acetate	12.29	43	238216	47.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	168239	46.323	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	128707m	51.252	ug/l	
77) Bromobenzene	12.77	156	258211	47.609	ug/l	99
78) n-propylbenzene	12.83	91	1197744	47.266	ug/l	100
79) 2-Chlorotoluene	12.91	91	664731	47.673	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	846960	47.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55482	48.175	ug/l	97
82) 4-Chlorotoluene	13.01	91	708064	47.962	ug/l	99
83) tert-Butylbenzene	13.23	119	752051	48.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	854471	47.347	ug/l	100
85) sec-Butylbenzene	13.41	105	1000997	46.743	ug/l	100
86) p-Isopropyltoluene	13.52	119	959118	47.439	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	487867	47.394	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	485127	47.735	ug/l	99
89) n-Butylbenzene	13.85	91	873040	47.551	ug/l	100
90) Hexachloroethane	14.12	117	177854	47.033	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	424188	48.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25617	46.936	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317528	47.130	ug/l	99
94) Hexachlorobutadiene	15.28	225	190788	45.871	ug/l	98
95) Naphthalene	15.41	128	521509	46.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	277108	48.184	ug/l	99

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

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