

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064973.D
 Acq On : 28 Jan 2020 10:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 12:55:50 PM

Quant Time: Jan 29 01:39:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	513355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225606	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	7.91	113	221921	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	10.34	98	883320	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	268102	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204937	52.991	ug/l	99
3) Chloromethane	2.21	50	276190	48.727	ug/l	94
4) Vinyl Chloride	2.35	62	327471	50.302	ug/l	99
5) Bromomethane	2.77	94	212594	48.546	ug/l	97
6) Chloroethane	2.93	64	209321	48.771	ug/l	100
7) Trichlorofluoromethane	3.27	101	498071	49.539	ug/l	99
8) Diethyl Ether	3.71	74	104408	46.000	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	241924	51.719	ug/l	99
10) Methyl Iodide	4.29	142	275484	55.483	ug/l	99
11) Tert butyl alcohol	5.24	59	55327	203.323	ug/l	98
12) 1,1-Dichloroethene	4.06	96	232975	52.136	ug/l	92
13) Acrolein	3.93	56	91133	267.155	ug/l	95
14) Allyl chloride	4.71	41	375651	52.708	ug/l	98
15) Acrylonitrile	5.43	53	223278	227.167	ug/l	99
16) Acetone	4.16	43	273352	232.599	ug/l	99
17) Carbon Disulfide	4.40	76	750848	51.054	ug/l	99
18) Methyl Acetate	4.73	43	103090	44.701	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	479025	47.976	ug/l	99
20) Methylene Chloride	4.96	84	236125	49.211	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	262281	50.944	ug/l	94
22) Diisopropyl ether	6.37	45	711976	50.126	ug/l	99
23) Vinyl Acetate	6.31	43	2026030	243.629	ug/l	100
24) 1,1-Dichloroethane	6.27	63	438000	50.225	ug/l	99
25) 2-Butanone	7.22	43	301870	226.912	ug/l	97
26) 2,2-Dichloropropane	7.21	77	420758	53.192	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276849	50.381	ug/l	99
28) Bromochloromethane	7.55	49	171857	49.275	ug/l	100
29) Tetrahydrofuran	7.57	42	179321	218.465	ug/l	99
30) Chloroform	7.71	83	445471	49.415	ug/l	99
31) Cyclohexane	7.99	56	419754	48.928	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	429455	51.208	ug/l	100
36) 1,1-Dichloropropene	8.11	75	369850	51.780	ug/l	99
37) Ethyl Acetate	7.30	43	135450	45.910	ug/l	98
38) Carbon Tetrachloride	8.10	117	392664	52.012	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	444531	53.233	ug/l	98
40) Benzene	8.36	78	999976	50.832	ug/l	98
41) Methacrylonitrile	7.53	41	78757	49.553	ug/l	95
42) 1,2-Dichloroethane	8.43	62	276222	47.137	ug/l	99
43) Isopropyl Acetate	8.46	43	257866	46.012	ug/l	98
44) Trichloroethene	9.11	130	283677	51.525	ug/l	99
45) 1,2-Dichloropropane	9.39	63	237728	49.849	ug/l	97
46) Dibromomethane	9.48	93	122620	47.096	ug/l	98
47) Bromodichloromethane	9.67	83	335371	49.502	ug/l	97
48) Methyl methacrylate	9.46	41	119529	46.347	ug/l	96
49) 1,4-Dioxane	9.46	88	26901	890.862	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	645852	230.318	ug/l	100
52) Toluene	10.41	92	655292	51.667	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	319620	49.527	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	376372	49.812	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	165784	47.271	ug/l	98
56) Ethyl methacrylate	10.67	69	204492	48.759	ug/l	99
57) 1,3-Dichloropropane	10.95	76	288932	48.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	289580	207.836	ug/l	98
59) 2-Hexanone	10.99	43	477544	246.889	ug/l	99
60) Dibromochloromethane	11.14	129	225148	48.032	ug/l	98
61) 1,2-Dibromoethane	11.25	107	161054	47.692	ug/l	97
64) Tetrachloroethene	10.88	164	240440	52.814	ug/l	97
65) Chlorobenzene	11.67	112	660919	51.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	251881	52.359	ug/l	99
67) Ethyl Benzene	11.75	91	1238731	54.548	ug/l	98
68) m/p-Xylenes	11.86	106	964973	110.365	ug/l	100
69) o-Xylene	12.18	106	423041	54.516	ug/l	99
70) Styrene	12.20	104	756812	54.749	ug/l	99
71) Bromoform	12.37	173	132116	49.405	ug/l #	100
73) Isopropylbenzene	12.48	105	1175199	55.406	ug/l	100
74) N-amyl acetate	12.30	43	234525	49.412	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	169783	47.626	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	114193m	44.334	ug/l	
77) Bromobenzene	12.77	156	266051	51.265	ug/l	99
78) n-propylbenzene	12.83	91	1398097	55.426	ug/l	100
79) 2-Chlorotoluene	12.91	91	753340	54.441	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	962980	55.401	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59574	49.385	ug/l	98
82) 4-Chlorotoluene	13.01	91	781229	53.235	ug/l	99
83) tert-Butylbenzene	13.23	119	806530	54.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	949671	53.933	ug/l	100
85) sec-Butylbenzene	13.41	105	1160100	55.545	ug/l	98
86) p-Isopropyltoluene	13.53	119	1086664	55.601	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	520539	52.276	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	507316	51.332	ug/l	100
89) n-Butylbenzene	13.86	91	992167	55.627	ug/l	100
90) Hexachloroethane	14.12	117	203848	54.086	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	430699	50.949	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26584	46.598	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	303901	51.964	ug/l	99
94) Hexachlorobutadiene	15.28	225	191503	51.769	ug/l	98
95) Naphthalene	15.41	128	481036	50.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	256487	50.581	ug/l	99

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

