

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067141.D
 Acq On : 07 Oct 2020 09:57
 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
 10/8/2020 5:39:27 PM

Quant Time: Oct 08 07:35:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	385131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	581890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	524500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184175	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	7.91	113	194948	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	718322	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.64	95	250675	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177035	57.881	ug/l	95
3) Chloromethane	2.21	50	125242	40.834	ug/l	96
4) Vinyl Chloride	2.35	62	141175	45.905	ug/l	96
5) Bromomethane	2.76	94	104899	53.194	ug/l	100
6) Chloroethane	2.92	64	84071	44.888	ug/l	96
7) Trichlorofluoromethane	3.27	101	337383	49.378	ug/l	99
8) Diethyl Ether	3.70	74	79609	46.984	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	190779	49.399	ug/l	99
10) Methyl Iodide	4.30	142	183271	48.840	ug/l	97
11) Tert butyl alcohol	5.21	59	44830	195.641	ug/l	99
12) 1,1-Dichloroethene	4.07	96	172618	47.546	ug/l	97
13) Acrolein	3.92	56	65606	264.124	ug/l	97
14) Allyl chloride	4.71	41	205038	43.474	ug/l	94
15) Acrylonitrile	5.41	53	140976	226.066	ug/l	97
16) Acetone	4.15	43	160742	283.862	ug/l	98
17) Carbon Disulfide	4.41	76	513604	46.097	ug/l	99
18) Methyl Acetate	4.71	43	62401	43.845	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	329319	49.689	ug/l	98
20) Methylene Chloride	4.96	84	193483	47.834	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	200778	48.595	ug/l	96
22) Diisopropyl ether	6.36	45	383634	44.555	ug/l	95
23) Vinyl Acetate	6.30	43	1152300	236.165	ug/l	95
24) 1,1-Dichloroethane	6.26	63	305327	45.948	ug/l	100
25) 2-Butanone	7.21	43	171728	213.902	ug/l	100
26) 2,2-Dichloropropane	7.20	77	299133	52.882	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	213162	48.307	ug/l	98
28) Bromochloromethane	7.54	49	111388	43.405	ug/l	84
29) Tetrahydrofuran	7.56	42	99391	215.307	ug/l	92
30) Chloroform	7.71	83	347916	48.265	ug/l	98
31) Cyclohexane	7.98	56	250094	44.892	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	335590	50.234	ug/l	98
36) 1,1-Dichloropropene	8.11	75	264996	48.857	ug/l	97
37) Ethyl Acetate	7.28	43	81358	43.299	ug/l	98
38) Carbon Tetrachloride	8.10	117	319869	54.506	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	294811	51.411	ug/l	94
40) Benzene	8.35	78	720001	47.793	ug/l	97
41) Methacrylonitrile	7.53	41	56572	55.730	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	212046	50.371	ug/l	99
43) Isopropyl Acetate	8.45	43	157309	45.446	ug/l	97
44) Trichloroethene	9.11	130	229493	51.015	ug/l	97
45) 1,2-Dichloropropane	9.38	63	166098	46.924	ug/l	94
46) Dibromomethane	9.48	93	100446	49.372	ug/l	94
47) Bromodichloromethane	9.66	83	265947	50.288	ug/l	100
48) Methyl methacrylate	9.46	41	77179	43.521	ug/l #	75
49) 1,4-Dioxane	9.46	88	20134	948.231	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	396185	229.785	ug/l	98
52) Toluene	10.40	92	490013	50.493	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	246722	52.200	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	289926	50.234	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	141801	50.133	ug/l	94
56) Ethyl methacrylate	10.66	69	157482	53.927	ug/l	97
57) 1,3-Dichloropropane	10.94	76	230946	50.351	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	415904	255.883	ug/l	95
59) 2-Hexanone	10.98	43	289117	251.238	ug/l	96
60) Dibromochloromethane	11.14	129	199051	52.800	ug/l	97
61) 1,2-Dibromoethane	11.24	107	135132	49.728	ug/l	95
64) Tetrachloroethene	10.87	164	195222	51.197	ug/l	95
65) Chlorobenzene	11.67	112	536967	51.475	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	209318	52.751	ug/l	97
67) Ethyl Benzene	11.74	91	947662	53.020	ug/l	99
68) m/p-Xylenes	11.86	106	727682	104.468	ug/l	98
69) o-Xylene	12.18	106	331679	53.248	ug/l	96
70) Styrene	12.20	104	578698	54.104	ug/l	99
71) Bromoform	12.36	173	112223	54.484	ug/l #	99
73) Isopropylbenzene	12.48	105	952381	53.609	ug/l	99
74) N-amyl acetate	12.29	43	143518	44.939	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	139657	46.658	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115330m	50.607	ug/l	
77) Bromobenzene	12.76	156	222024	51.758	ug/l	94
78) n-propylbenzene	12.83	91	1090581	51.943	ug/l	98
79) 2-Chlorotoluene	12.91	91	604937	50.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	810215	53.980	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	45918	50.234	ug/l	96
82) 4-Chlorotoluene	13.01	91	648252	50.721	ug/l	99
83) tert-Butylbenzene	13.23	119	700060	55.386	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	794659	53.051	ug/l	98
85) sec-Butylbenzene	13.41	105	953323	53.558	ug/l	100
86) p-Isopropyltoluene	13.52	119	871249	52.796	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	423697	50.709	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	416243	49.822	ug/l	99
89) n-Butylbenzene	13.85	91	798367	52.936	ug/l	99
90) Hexachloroethane	14.12	117	151418	52.382	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	369586	50.647	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23368	48.431	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	252593	53.515	ug/l	99
94) Hexachlorobutadiene	15.28	225	155995	53.814	ug/l	97
95) Naphthalene	15.41	128	430749	54.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	215955	52.705	ug/l	97

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

