

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064957.D
 Acq On : 27 Jan 2020 10:28
 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
 1/28/2020 3:39:56 PM

Quant Time: Jan 27 11:23:31 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	520280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317951	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	245287	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	7.91	113	243262	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	10.34	98	950133	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.64	95	294067	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	224132	57.183	ug/l	98
3) Chloromethane	2.21	50	290725	50.609	ug/l	97
4) Vinyl Chloride	2.35	62	341018	51.686	ug/l	98
5) Bromomethane	2.77	94	211577	47.671	ug/l	97
6) Chloroethane	2.93	64	214395	49.288	ug/l	100
7) Trichlorofluoromethane	3.27	101	515602	50.600	ug/l	99
8) Diethyl Ether	3.71	74	112389	48.858	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	263015	55.480	ug/l	99
10) Methyl Iodide	4.29	142	279156	55.474	ug/l	100
11) Tert butyl alcohol	5.25	59	61885	224.396	ug/l	97
12) 1,1-Dichloroethene	4.06	96	249059	54.993	ug/l	94
13) Acrolein	3.93	56	102795	297.331	ug/l	94
14) Allyl chloride	4.70	41	401329	55.561	ug/l	98
15) Acrylonitrile	5.43	53	245159	246.109	ug/l	100
16) Acetone	4.16	43	331350	286.904	ug/l	98
17) Carbon Disulfide	4.40	76	804462	53.972	ug/l	99
18) Methyl Acetate	4.72	43	111275	47.608	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	518774	51.265	ug/l	99
20) Methylene Chloride	4.96	84	256460	53.263	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	278217	53.320	ug/l	98
22) Diisopropyl ether	6.37	45	770470	53.522	ug/l	99
23) Vinyl Acetate	6.31	43	2212453	262.505	ug/l	98
24) 1,1-Dichloroethane	6.26	63	467929	52.942	ug/l	98
25) 2-Butanone	7.22	43	357322	265.020	ug/l	100
26) 2,2-Dichloropropane	7.21	77	444508	55.446	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	294294	52.843	ug/l	99
28) Bromochloromethane	7.55	49	152178	43.052	ug/l	100
29) Tetrahydrofuran	7.57	42	198692	238.843	ug/l	99
30) Chloroform	7.71	83	475121	52.003	ug/l	98
31) Cyclohexane	7.98	56	454333	52.254	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	449897	52.931	ug/l	99
36) 1,1-Dichloropropene	8.11	75	394925	54.790	ug/l	99
37) Ethyl Acetate	7.30	43	147977	49.702	ug/l	98
38) Carbon Tetrachloride	8.10	117	419491	55.062	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	478982	56.839	ug/l	95
40) Benzene	8.35	78	1069521	53.876	ug/l	97
41) Methacrylonitrile	7.53	41	90071	56.159	ug/l	95
42) 1,2-Dichloroethane	8.43	62	298334	50.450	ug/l	98
43) Isopropyl Acetate	8.46	43	276994	48.978	ug/l	99
44) Trichloroethene	9.11	130	304889	54.877	ug/l	98
45) 1,2-Dichloropropane	9.38	63	254450	52.873	ug/l	100
46) Dibromomethane	9.48	93	132577	50.459	ug/l	99
47) Bromodichloromethane	9.67	83	361024	52.806	ug/l	99
48) Methyl methacrylate	9.46	41	132255	50.817	ug/l	97
49) 1,4-Dioxane	9.47	88	29822	978.658	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	703384	248.564	ug/l	100
52) Toluene	10.41	92	691316	54.014	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	343269	52.710	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	412392	54.085	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	179651	50.761	ug/l	98
56) Ethyl methacrylate	10.67	69	223265	52.754	ug/l	99
57) 1,3-Dichloropropane	10.95	76	311664	51.343	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	323664	230.197	ug/l	99
59) 2-Hexanone	10.99	43	558072	285.911	ug/l	99
60) Dibromochloromethane	11.14	129	246409	52.092	ug/l	99
61) 1,2-Dibromoethane	11.25	107	173027	50.774	ug/l	98
64) Tetrachloroethene	10.88	164	262145	55.587	ug/l	99
65) Chlorobenzene	11.68	112	716788	54.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	270907	54.364	ug/l	99
67) Ethyl Benzene	11.75	91	1329567	56.520	ug/l	100
68) m/p-Xylenes	11.86	106	1039814	114.805	ug/l	99
69) o-Xylene	12.18	106	453287	56.390	ug/l	99
70) Styrene	12.20	104	808066	56.432	ug/l	99
71) Bromoform	12.37	173	141262	50.995	ug/l #	99
73) Isopropylbenzene	12.48	105	1268682	58.379	ug/l	100
74) N-amyl acetate	12.30	43	253639	52.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	182484	49.962	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	128918m	48.851	ug/l	
77) Bromobenzene	12.77	156	289935	54.528	ug/l	99
78) n-propylbenzene	12.83	91	1511950	58.503	ug/l	99
79) 2-Chlorotoluene	12.91	91	806058	56.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1042340	58.529	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	65238	52.784	ug/l	97
82) 4-Chlorotoluene	13.01	91	848759	56.450	ug/l	98
83) tert-Butylbenzene	13.23	119	905873	59.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1033070	57.263	ug/l	100
85) sec-Butylbenzene	13.41	105	1239404	57.919	ug/l	100
86) p-Isopropyltoluene	13.53	119	1183157	59.087	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	568456	55.719	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	551252	54.441	ug/l	100
89) n-Butylbenzene	13.85	91	1081708	59.194	ug/l	100
90) Hexachloroethane	14.12	117	218273	56.525	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	474888	54.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	28876	49.402	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	331371	55.303	ug/l	99
94) Hexachlorobutadiene	15.28	225	210637	55.576	ug/l	99
95) Naphthalene	15.41	128	530867	54.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279117	53.724	ug/l	98

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

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