

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066474.D
 Acq On : 31 Aug 2020 10:35
 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
 9/1/2020 12:38:46 PM

Quant Time: Sep 01 01:08:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	160789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	219550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	197203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103686	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	88325	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
35) Dibromofluoromethane	7.91	113	70126	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.34	98	264089	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.63	95	92215	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	63306	46.312	ug/l	99
3) Chloromethane	2.21	50	39497	40.763	ug/l	98
4) Vinyl Chloride	2.35	62	48698	46.810	ug/l	95
5) Bromomethane	2.76	94	42336	54.407	ug/l	99
6) Chloroethane	2.93	64	33041	49.600	ug/l	97
7) Trichlorofluoromethane	3.28	101	152002	53.732	ug/l	98
8) Diethyl Ether	3.71	74	29226	46.110	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65911	47.211	ug/l	96
10) Methyl Iodide	4.30	142	73385	46.087	ug/l	93
11) Tert butyl alcohol	5.21	59	22856	253.564	ug/l	96
12) 1,1-Dichloroethene	4.07	96	61925	47.254	ug/l	98
13) Acrolein	3.93	56	9897	141.384	ug/l	91
14) Allyl chloride	4.71	41	71522	40.889	ug/l #	79
15) Acrylonitrile	5.41	53	53707	211.188	ug/l	100
16) Acetone	4.16	43	84727	298.131	ug/l	94
17) Carbon Disulfide	4.41	76	166940	42.034	ug/l	98
18) Methyl Acetate	4.71	43	20949	39.275	ug/l #	86
19) Methyl tert-butyl Ether	5.48	73	160005	50.706	ug/l	98
20) Methylene Chloride	4.97	84	67189	43.407	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	70423	46.165	ug/l	98
22) Diisopropyl ether	6.36	45	145293	42.902	ug/l	92
23) Vinyl Acetate	6.30	43	453976	216.538	ug/l	96
24) 1,1-Dichloroethane	6.26	63	109255	45.651	ug/l	97
25) 2-Butanone	7.21	43	72255	223.956	ug/l	91
26) 2,2-Dichloropropane	7.21	77	138468	53.983	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	77877	47.644	ug/l	97
28) Bromochloromethane	7.54	49	36382	44.133	ug/l	85
29) Tetrahydrofuran	7.56	42	34514	188.344	ug/l #	85
30) Chloroform	7.71	83	144493	52.183	ug/l	99
31) Cyclohexane	7.98	56	86778	39.646	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	156372	55.179	ug/l	99
36) 1,1-Dichloropropene	8.11	75	101562	50.699	ug/l	99
37) Ethyl Acetate	7.29	43	31105	45.653	ug/l #	65
38) Carbon Tetrachloride	8.09	117	156084	59.804	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	118493	50.213	ug/l	96
40) Benzene	8.34	78	259636	49.267	ug/l	93
41) Methacrylonitrile	7.52	41	19657m	46.784	ug/l	
42) 1,2-Dichloroethane	8.42	62	106358	57.302	ug/l	99
43) Isopropyl Acetate	8.44	43	62625	45.794	ug/l	98
44) Trichloroethene	9.11	130	88112	51.455	ug/l	97
45) 1,2-Dichloropropane	9.38	63	55466	46.426	ug/l	97
46) Dibromomethane	9.47	93	38172	51.316	ug/l	96
47) Bromodichloromethane	9.66	83	109112	53.338	ug/l	99
48) Methyl methacrylate	9.45	41	30683	43.510	ug/l #	91
49) 1,4-Dioxane	9.46	88	8362	968.118	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	142145	214.863	ug/l	98
52) Toluene	10.40	92	179867	50.378	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	101324	52.200	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	104704	48.056	ug/l #	86
55) 1,1,2-Trichloroethane	10.80	97	47993	47.659	ug/l	91
56) Ethyl methacrylate	10.66	69	52690	45.199	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	78137	46.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	116225	240.053	ug/l	90
59) 2-Hexanone	10.98	43	110478	236.751	ug/l	99
60) Dibromochloromethane	11.14	129	77375	50.974	ug/l	97
61) 1,2-Dibromoethane	11.24	107	46739	47.163	ug/l	93
64) Tetrachloroethene	10.87	164	77243	51.634	ug/l	89
65) Chlorobenzene	11.67	112	203226	51.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	86045	53.666	ug/l	97
67) Ethyl Benzene	11.74	91	360560	52.209	ug/l	95
68) m/p-Xylenes	11.85	106	275969	104.840	ug/l	96
69) o-Xylene	12.18	106	125696	51.330	ug/l	97
70) Styrene	12.20	104	224081	53.293	ug/l	98
71) Bromoform	12.36	173	46252	50.846	ug/l #	99
73) Isopropylbenzene	12.48	105	372586	53.641	ug/l	98
74) N-amyl acetate	12.29	43	55592	44.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	41706	42.032	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	33519m	45.952	ug/l	
77) Bromobenzene	12.76	156	92780	52.628	ug/l	95
78) n-propylbenzene	12.82	91	408725	51.321	ug/l	98
79) 2-Chlorotoluene	12.91	91	230346	50.641	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	324913	54.178	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14979	43.589	ug/l #	78
82) 4-Chlorotoluene	13.01	91	249537	51.780	ug/l	98
83) tert-Butylbenzene	13.23	119	277847	53.339	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	321493	54.579	ug/l	98
85) sec-Butylbenzene	13.40	105	361691	52.996	ug/l	100
86) p-Isopropyltoluene	13.52	119	358226	54.435	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	171680	52.169	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	172025	52.062	ug/l	99
89) n-Butylbenzene	13.84	91	299077	51.501	ug/l	99
90) Hexachloroethane	14.11	117	63085	48.527	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	151186	53.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11180	53.722	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119205	53.898	ug/l	97
94) Hexachlorobutadiene	15.27	225	76962	55.996	ug/l	98
95) Naphthalene	15.41	128	181162	52.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	100595	53.096	ug/l	97

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

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