

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066838.D
 Acq On : 23 Sep 2020 17:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:36:50 PM

Quant Time: Sep 23 18:45:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	619312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	570560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191300	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.91	113	196867	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.34	98	701840	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.63	95	240381	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131399	47.457	ug/l	94
3) Chloromethane	2.20	50	157322	43.390	ug/l	99
4) Vinyl Chloride	2.35	62	165823	46.293	ug/l	97
5) Bromomethane	2.77	94	109898	43.650	ug/l	94
6) Chloroethane	2.92	64	102689	46.164	ug/l	93
7) Trichlorofluoromethane	3.27	101	342871	46.608	ug/l	100
8) Diethyl Ether	3.71	74	95287	51.021	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	202038	47.363	ug/l	98
10) Methyl Iodide	4.30	142	202619	53.827	ug/l	98
11) Tert butyl alcohol	5.23	59	54278	228.509	ug/l	98
12) 1,1-Dichloroethene	4.07	96	181290	46.915	ug/l	90
13) Acrolein	3.92	56	59095	207.402	ug/l	95
14) Allyl chloride	4.71	41	279156	49.197	ug/l	99
15) Acrylonitrile	5.43	53	207651	250.892	ug/l	100
16) Acetone	4.16	43	182080	222.224	ug/l	99
17) Carbon Disulfide	4.41	76	555594	47.028	ug/l	98
18) Methyl Acetate	4.71	43	93785	51.402	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	429554	51.187	ug/l	99
20) Methylene Chloride	4.96	84	238001	54.325	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	219025	48.951	ug/l	89
22) Diisopropyl ether	6.36	45	591349	50.686	ug/l	99
23) Vinyl Acetate	6.30	43	1534982	242.410	ug/l	99
24) 1,1-Dichloroethane	6.26	63	379097	48.571	ug/l #	97
25) 2-Butanone	7.21	43	239439	243.174	ug/l	96
26) 2,2-Dichloropropane	7.20	77	327191	45.737	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	245669	50.534	ug/l	99
28) Bromochloromethane	7.54	49	171066	53.053	ug/l	98
29) Tetrahydrofuran	7.56	42	160445	254.307	ug/l	99
30) Chloroform	7.71	83	410020	48.735	ug/l	95
31) Cyclohexane	7.98	56	319909	45.552	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	365630	48.041	ug/l	99
36) 1,1-Dichloropropene	8.11	75	303687	49.428	ug/l	99
37) Ethyl Acetate	7.28	43	115781	52.127	ug/l	98
38) Carbon Tetrachloride	8.09	117	323088	48.099	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	359244	50.925	ug/l	97
40) Benzene	8.35	78	855481	49.960	ug/l	96
41) Methacrylonitrile	7.53	41	60354m	44.185	ug/l	
42) 1,2-Dichloroethane	8.42	62	249942	49.375	ug/l	99
43) Isopropyl Acetate	8.45	43	214085	49.994	ug/l	100
44) Trichloroethene	9.11	130	241244	49.428	ug/l	97
45) 1,2-Dichloropropane	9.38	63	216446	50.240	ug/l	98
46) Dibromomethane	9.47	93	119139	50.897	ug/l	99
47) Bromodichloromethane	9.66	83	314902	50.079	ug/l	97
48) Methyl methacrylate	9.45	41	105939	50.176	ug/l	98
49) 1,4-Dioxane	9.46	88	29272	1114.599	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	564959	260.370	ug/l	100
52) Toluene	10.40	92	562894	51.034	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	278003	51.943	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	324749	49.763	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	161935	50.323	ug/l	93
56) Ethyl methacrylate	10.66	69	184527	53.528	ug/l	97
57) 1,3-Dichloropropane	10.94	76	274977	51.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	397532	243.545	ug/l	99
59) 2-Hexanone	10.98	43	386095	263.856	ug/l	99
60) Dibromochloromethane	11.14	129	212774	50.663	ug/l	99
61) 1,2-Dibromoethane	11.24	107	152093	50.815	ug/l	97
64) Tetrachloroethene	10.87	164	211158	51.450	ug/l	98
65) Chlorobenzene	11.67	112	594092	50.022	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	224269	49.893	ug/l	98
67) Ethyl Benzene	11.74	91	1083139	51.927	ug/l	98
68) m/p-Xylenes	11.85	106	830751	105.192	ug/l	100
69) o-Xylene	12.18	106	372009	52.094	ug/l	100
70) Styrene	12.19	104	656554	52.942	ug/l	99
71) Bromoform	12.36	173	113141	49.713	ug/l	# 99
73) Isopropylbenzene	12.48	105	1031003	51.579	ug/l	98
74) N-amyl acetate	12.29	43	195526	50.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	169577	49.165	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	128080m	55.855	ug/l	
77) Bromobenzene	12.76	156	236709	50.634	ug/l	98
78) n-propylbenzene	12.82	91	1235187	51.365	ug/l	100
79) 2-Chlorotoluene	12.91	91	687913	50.200	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	866877	51.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	37680	41.112	ug/l	98
82) 4-Chlorotoluene	13.01	91	740686	51.275	ug/l	99
83) tert-Butylbenzene	13.23	119	724684	51.997	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	874761	52.012	ug/l	99
85) sec-Butylbenzene	13.40	105	1029545	51.371	ug/l	98
86) p-Isopropyltoluene	13.52	119	935328	51.775	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	455275	49.293	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	445166	48.529	ug/l	98
89) n-Butylbenzene	13.84	91	880521	51.280	ug/l	100
90) Hexachloroethane	14.11	117	180073	49.098	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	393772	49.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27312	49.224	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	254225	51.108	ug/l	99
94) Hexachlorobutadiene	15.27	225	152390	51.124	ug/l	99
95) Naphthalene	15.41	128	443802	52.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	221885	51.681	ug/l	99

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

