

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064930.D
 Acq On : 23 Jan 2020 11:54
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:53 PM

Quant Time: Jan 23 12:53:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	458215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	83134	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	
35) Dibromofluoromethane	7.92	113	80382	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
50) Toluene-d8	10.34	98	301825	18.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.78%	
62) 4-Bromofluorobenzene	12.64	95	92099	18.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69141	19.509	ug/l	96
3) Chloromethane	2.21	50	105123	21.142	ug/l	95
4) Vinyl Chloride	2.35	62	118076	19.579	ug/l	95
5) Bromomethane	2.76	94	76739	17.737	ug/l	95
6) Chloroethane	2.92	64	79471	19.862	ug/l	99
7) Trichlorofluoromethane	3.27	101	178848	17.907	ug/l	98
8) Diethyl Ether	3.71	74	41471	20.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82246	19.574	ug/l	98
10) Methyl Iodide	4.30	142	86557	19.240	ug/l	97
11) Tert butyl alcohol	5.26	59	22989	98.592	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	79019	19.761	ug/l	93
13) Acrolein	3.92	56	27642	87.545	ug/l	92
14) Allyl chloride	4.71	41	129392	20.615	ug/l	99
15) Acrylonitrile	5.44	53	89863	106.453	ug/l	98
16) Acetone	4.17	43	95666	113.218	ug/l	97
17) Carbon Disulfide	4.40	76	263851	20.280	ug/l	97
18) Methyl Acetate	4.73	43	42824	19.203	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	178551	20.046	ug/l	98
20) Methylene Chloride	4.96	84	100179	20.866	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	92488	20.203	ug/l	87
22) Diisopropyl ether	6.37	45	257035	20.539	ug/l	97
23) Vinyl Acetate	6.31	43	742113	104.241	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158852	21.115	ug/l	95
25) 2-Butanone	7.23	43	115058	102.549	ug/l	95
26) 2,2-Dichloropropane	7.21	77	142619	20.465	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	99629	20.284	ug/l	98
28) Bromochloromethane	7.55	49	52684	17.735	ug/l	98
29) Tetrahydrofuran	7.57	42	74408	107.446	ug/l	98
30) Chloroform	7.71	83	165642	21.027	ug/l	99
31) Cyclohexane	7.99	56	146912	19.502	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	150625	20.365	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130012	20.125	ug/l	98
37) Ethyl Acetate	7.30	43	57065	22.645	ug/l	98
38) Carbon Tetrachloride	8.10	117	135184	19.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143433	18.428	ug/l	98
40) Benzene	8.36	78	356143	20.180	ug/l	99
41) Methacrylonitrile	7.54	41	28677m	19.419	ug/l	
42) 1,2-Dichloroethane	8.43	62	107499	20.992	ug/l	99
43) Isopropyl Acetate	8.46	43	102167	20.347	ug/l	99
44) Trichloroethene	9.11	130	102653	20.004	ug/l	98
45) 1,2-Dichloropropane	9.39	63	86518	20.569	ug/l	94
46) Dibromomethane	9.48	93	46856	20.139	ug/l	99
47) Bromodichloromethane	9.67	83	125969	20.313	ug/l	99
48) Methyl methacrylate	9.46	41	47098	20.045	ug/l	94
49) 1,4-Dioxane	9.47	88	11816	433.561	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	258001	103.233	ug/l	98
52) Toluene	10.41	92	229669	19.918	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119259	20.512	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	138432	20.250	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	62866	19.923	ug/l	97
56) Ethyl methacrylate	10.66	69	76942	19.572	ug/l	98
57) 1,3-Dichloropropane	10.95	76	111062	20.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124473	85.459	ug/l	100
59) 2-Hexanone	10.99	43	179405	105.509	ug/l	95
60) Dibromochloromethane	11.14	129	86136	19.872	ug/l	98
61) 1,2-Dibromoethane	11.26	107	62513	20.200	ug/l	98
64) Tetrachloroethene	10.88	164	86876	19.130	ug/l	97
65) Chlorobenzene	11.67	112	241172	19.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	91952	19.834	ug/l	100
67) Ethyl Benzene	11.75	91	423826	18.980	ug/l	93
68) m/p-Xylenes	11.86	106	333403	38.776	ug/l	99
69) o-Xylene	12.18	106	145745	18.805	ug/l	99
70) Styrene	12.20	104	260318	19.024	ug/l	99
71) Bromoform	12.36	173	52034	19.797	ug/l	99
73) Isopropylbenzene	12.48	105	396197	19.232	ug/l	99
74) N-amyl acetate	12.30	43	89612	20.295	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	67380	20.686	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	56557m	23.657	ug/l	
77) Bromobenzene	12.77	156	97667	19.347	ug/l	98
78) n-propylbenzene	12.83	91	475923	19.739	ug/l	100
79) 2-Chlorotoluene	12.91	91	263655	19.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	330760	19.597	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	22378	20.335	ug/l	96
82) 4-Chlorotoluene	13.01	91	274756	19.536	ug/l	99
83) tert-Butylbenzene	13.23	119	275119	18.801	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	334271	19.813	ug/l	99
85) sec-Butylbenzene	13.41	105	384167	19.096	ug/l	99
86) p-Isopropyltoluene	13.52	119	358118	18.640	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	186548	19.382	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183586	19.440	ug/l	98
89) n-Butylbenzene	13.85	91	328598	18.906	ug/l	99
90) Hexachloroethane	14.12	117	68530	18.675	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	157160	19.148	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10444	19.821	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110724	18.527	ug/l	100
94) Hexachlorobutadiene	15.28	225	66997	17.835	ug/l	98
95) Naphthalene	15.41	128	176083	18.569	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	92323	18.033	ug/l	96

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

