

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064834.D
 Acq On : 10 Jan 2020 15:40
 Operator : VA/SY
 Sample : VD0110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:22 PM

Quant Time: Jan 10 22:42:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	387952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	494793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	185483	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.92	113	180688	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	679926	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.64	95	217485	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64363	21.348	ug/l	95
3) Chloromethane	2.21	50	97643	23.157	ug/l	98
4) Vinyl Chloride	2.35	62	114496	22.270	ug/l	98
5) Bromomethane	2.76	94	78682	21.048	ug/l	93
6) Chloroethane	2.92	64	76622	22.242	ug/l	99
7) Trichlorofluoromethane	3.27	101	192662	22.256	ug/l	99
8) Diethyl Ether	3.70	74	38725	22.528	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81837	22.827	ug/l	98
10) Methyl Iodide	4.29	142	79709	20.699	ug/l	99
11) Tert butyl alcohol	5.26	59	22409	114.300	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	75832	22.218	ug/l	92
13) Acrolein	3.93	56	20966	76.734	ug/l	98
14) Allyl chloride	4.71	41	118512	22.270	ug/l	98
15) Acrylonitrile	5.43	53	82694	115.490	ug/l	99
16) Acetone	4.17	43	86729	115.231	ug/l	92
17) Carbon Disulfide	4.40	76	234710	21.267	ug/l	97
18) Methyl Acetate	4.73	43	48179	25.016	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	170650	22.510	ug/l	98
20) Methylene Chloride	4.97	84	94381	24.482	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	88850	22.858	ug/l	98
22) Diisopropyl ether	6.37	45	246376	23.212	ug/l	96
23) Vinyl Acetate	6.31	43	667860	110.921	ug/l	98
24) 1,1-Dichloroethane	6.27	63	147863	23.205	ug/l	98
25) 2-Butanone	7.22	43	114888	122.179	ug/l	97
26) 2,2-Dichloropropane	7.21	77	139761	23.590	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	95348	22.729	ug/l	95
28) Bromochloromethane	7.55	49	50738	20.484	ug/l	95
29) Tetrahydrofuran	7.57	42	66395	113.541	ug/l	97
30) Chloroform	7.71	83	152549	22.818	ug/l	97
31) Cyclohexane	7.98	56	137318	21.528	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	146055	23.260	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122289	22.669	ug/l	99
37) Ethyl Acetate	7.30	43	43982	20.754	ug/l #	93
38) Carbon Tetrachloride	8.10	117	132225	22.987	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	139061	21.284	ug/l	89
40) Benzene	8.35	78	335292	22.768	ug/l	97
41) Methacrylonitrile	7.53	41	22858	18.590	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	99971	23.492	ug/l	99
43) Isopropyl Acetate	8.46	43	93234	22.103	ug/l	100
44) Trichloroethene	9.11	130	96091	22.212	ug/l	94
45) 1,2-Dichloropropane	9.39	63	81354	23.137	ug/l	98
46) Dibromomethane	9.48	93	45029	22.970	ug/l	98
47) Bromodichloromethane	9.67	83	121015	23.199	ug/l	99
48) Methyl methacrylate	9.46	41	44176	22.242	ug/l	94
49) 1,4-Dioxane	9.47	88	10123	447.835	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	239989	115.105	ug/l	100
52) Toluene	10.41	92	217201	22.481	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110563	22.734	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	127714	22.271	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59263	22.432	ug/l	97
56) Ethyl methacrylate	10.66	69	72676	22.027	ug/l	95
57) 1,3-Dichloropropane	10.95	76	105319	23.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	152420	121.252	ug/l	99
59) 2-Hexanone	10.99	43	170948	120.803	ug/l	99
60) Dibromochloromethane	11.14	129	80129	21.933	ug/l	96
61) 1,2-Dibromoethane	11.25	107	58324	22.383	ug/l	99
64) Tetrachloroethene	10.88	164	82740	21.797	ug/l	97
65) Chlorobenzene	11.67	112	229293	22.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85112	21.985	ug/l	98
67) Ethyl Benzene	11.75	91	402769	21.608	ug/l	99
68) m/p-Xylenes	11.86	106	311324	43.273	ug/l	96
69) o-Xylene	12.18	106	138657	21.337	ug/l	96
70) Styrene	12.20	104	249123	21.840	ug/l	98
71) Bromoform	12.36	173	47541	21.534	ug/l #	97
73) Isopropylbenzene	12.48	105	382496	22.205	ug/l	99
74) N-amyl acetate	12.29	43	84256	22.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62366	23.047	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39313m	20.653	ug/l	
77) Bromobenzene	12.77	156	94334	22.287	ug/l	98
78) n-propylbenzene	12.83	91	452797	22.531	ug/l	100
79) 2-Chlorotoluene	12.91	91	247242	22.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	314476	22.224	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20291	22.295	ug/l	95
82) 4-Chlorotoluene	13.01	91	267743	22.790	ug/l	98
83) tert-Butylbenzene	13.23	119	270169	21.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	311910	22.133	ug/l	100
85) sec-Butylbenzene	13.41	105	373822	22.194	ug/l	98
86) p-Isopropyltoluene	13.53	119	345792	21.470	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	178645	22.140	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177650	22.412	ug/l	98
89) n-Butylbenzene	13.85	91	324350	22.363	ug/l	98
90) Hexachloroethane	14.12	117	69047	22.443	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	153542	22.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10217	23.290	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107811	21.281	ug/l	99
94) Hexachlorobutadiene	15.27	225	65994	20.701	ug/l	96
95) Naphthalene	15.41	128	166588	20.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	92664	21.425	ug/l	99

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

