

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064976.D
 Acq On : 28 Jan 2020 13:56
 Operator : VA/SY
 Sample : VD0128SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 12:55:59 PM

Quant Time: Jan 29 02:29:45 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	451325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	659083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	583950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223380	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.92	113	217657	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	841115	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.64	95	260386	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70203	20.647	ug/l	98
3) Chloromethane	2.21	50	102769	20.623	ug/l	96
4) Vinyl Chloride	2.35	62	119723	20.918	ug/l	97
5) Bromomethane	2.76	94	81665	21.211	ug/l	96
6) Chloroethane	2.92	64	77139	20.443	ug/l	98
7) Trichlorofluoromethane	3.27	101	187419	21.203	ug/l	95
8) Diethyl Ether	3.70	74	42376	21.236	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89698	21.811	ug/l	98
10) Methyl Iodide	4.29	142	89384	20.476	ug/l	100
11) Tert butyl alcohol	5.26	59	23629	98.770	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	82481	20.995	ug/l	93
13) Acrolein	3.93	56	26216	87.414	ug/l	97
14) Allyl chloride	4.71	41	130727	20.863	ug/l	100
15) Acrylonitrile	5.44	53	90159	104.337	ug/l	98
16) Acetone	4.16	43	94253	91.199	ug/l	94
17) Carbon Disulfide	4.40	76	273260	21.134	ug/l	99
18) Methyl Acetate	4.72	43	45648	22.514	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	181248	20.647	ug/l	98
20) Methylene Chloride	4.97	84	104278	21.068	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	94401	20.856	ug/l	98
22) Diisopropyl ether	6.37	45	266377	21.332	ug/l	97
23) Vinyl Acetate	6.31	43	743216	101.654	ug/l	100
24) 1,1-Dichloroethane	6.27	63	164622	21.471	ug/l	97
25) 2-Butanone	7.23	43	121049	103.497	ug/l	98
26) 2,2-Dichloropropane	7.21	77	148815	21.399	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103045	21.329	ug/l	96
28) Bromochloromethane	7.55	49	53141	17.331	ug/l	97
29) Tetrahydrofuran	7.58	42	73617	102.014	ug/l	99
30) Chloroform	7.71	83	172557	21.772	ug/l	99
31) Cyclohexane	7.98	56	155560	20.625	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	156184	21.183	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137624	21.655	ug/l	99
37) Ethyl Acetate	7.30	43	49881	19.001	ug/l	95
38) Carbon Tetrachloride	8.10	117	142796	21.258	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156514	21.064	ug/l	99
40) Benzene	8.36	78	368371	21.045	ug/l	99
41) Methacrylonitrile	7.53	41	25078	17.733	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	111074	21.303	ug/l	98
43) Isopropyl Acetate	8.46	43	102412	20.538	ug/l	98
44) Trichloroethene	9.12	130	106079	21.654	ug/l	94
45) 1,2-Dichloropropane	9.39	63	89667	21.131	ug/l	99
46) Dibromomethane	9.48	93	48665	21.007	ug/l	100
47) Bromodichloromethane	9.67	83	128456	21.309	ug/l	99
48) Methyl methacrylate	9.46	41	47104	20.527	ug/l	95
49) 1,4-Dioxane	9.47	88	11025	410.335	ug/l	90
51) 4-Methyl-2-Pentanone	10.24	43	259692	104.081	ug/l	99
52) Toluene	10.41	92	239465	21.220	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	121735	21.200	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	143167	21.295	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	64946	20.812	ug/l	96
56) Ethyl methacrylate	10.67	69	76684	20.550	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114132	21.324	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	125434	101.178	ug/l	99
59) 2-Hexanone	10.99	43	177298	103.017	ug/l	98
60) Dibromochloromethane	11.14	129	87689	21.025	ug/l	99
61) 1,2-Dibromoethane	11.25	107	62294	20.732	ug/l	99
64) Tetrachloroethene	10.88	164	91614	21.711	ug/l	91
65) Chlorobenzene	11.68	112	251617	21.222	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	95014	21.309	ug/l	99
67) Ethyl Benzene	11.75	91	454561	21.595	ug/l	97
68) m/p-Xylenes	11.86	106	349125	43.079	ug/l	99
69) o-Xylene	12.18	106	152950	21.265	ug/l	98
70) Styrene	12.20	104	273477	21.344	ug/l	99
71) Bromoform	12.37	173	53109	21.426	ug/l #	99
73) Isopropylbenzene	12.48	105	422623	21.546	ug/l	100
74) N-amyl acetate	12.30	43	90422	20.601	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70580	21.410	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	39838m	16.725	ug/l	
77) Bromobenzene	12.77	156	104384	21.750	ug/l	98
78) n-propylbenzene	12.83	91	505151	21.656	ug/l	100
79) 2-Chlorotoluene	12.91	91	283532	22.157	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	351377	21.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23002	20.620	ug/l	97
82) 4-Chlorotoluene	13.01	91	297022	21.887	ug/l	99
83) tert-Butylbenzene	13.23	119	284026	20.822	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	347577	21.346	ug/l	99
85) sec-Butylbenzene	13.41	105	415231	21.499	ug/l	99
86) p-Isopropyltoluene	13.53	119	386124	21.364	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	196727	21.364	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	196613	21.513	ug/l	99
89) n-Butylbenzene	13.86	91	358298	21.723	ug/l	99
90) Hexachloroethane	14.12	117	75042	21.531	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	168669	21.576	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10924	20.706	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	116910	21.617	ug/l	99
94) Hexachlorobutadiene	15.28	225	74046	21.645	ug/l	98
95) Naphthalene	15.41	128	182906	20.956	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	103128	21.992	ug/l	99

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

