

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064975.D
 Acq On : 28 Jan 2020 12:04
 Operator : VA/SY
 Sample : VD0128SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 12:55:54 PM

Quant Time: Jan 29 02:27:17 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	7.99	168	457630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	221221	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.92	113	221846	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.34	98	860486	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.64	95	261521	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75926	22.023	ug/l	99
3) Chloromethane	2.21	50	107525	21.280	ug/l	99
4) Vinyl Chloride	2.35	62	123277	21.242	ug/l	100
5) Bromomethane	2.76	94	81153	20.788	ug/l	95
6) Chloroethane	2.93	64	78706	20.571	ug/l	98
7) Trichlorofluoromethane	3.27	101	193589	21.599	ug/l	97
8) Diethyl Ether	3.71	74	39109	19.329	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	91799	22.015	ug/l	99
10) Methyl Iodide	4.30	142	87986	19.878	ug/l	99
11) Tert butyl alcohol	5.24	59	22279	91.844	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	86643	21.750	ug/l #	78
13) Acrolein	3.92	56	26067	85.720	ug/l	91
14) Allyl chloride	4.71	41	136470	21.480	ug/l	99
15) Acrylonitrile	5.43	53	87303	99.640	ug/l	99
16) Acetone	4.17	43	88516	85.189	ug/l	97
17) Carbon Disulfide	4.40	76	279307	21.304	ug/l	99
18) Methyl Acetate	4.73	43	41858	20.360	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	174728	19.630	ug/l	99
20) Methylene Chloride	4.96	84	97744	18.921	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	97605	21.267	ug/l	96
22) Diisopropyl ether	6.37	45	263729	20.829	ug/l	97
23) Vinyl Acetate	6.31	43	721557	97.332	ug/l	98
24) 1,1-Dichloroethane	6.27	63	166713	21.445	ug/l	98
25) 2-Butanone	7.22	43	108766	91.714	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153112	21.713	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	100990	20.616	ug/l	100
28) Bromochloromethane	7.55	49	54290	17.462	ug/l	100
29) Tetrahydrofuran	7.57	42	69261	94.655	ug/l	99
30) Chloroform	7.71	83	167789	20.879	ug/l	98
31) Cyclohexane	7.99	56	159301	20.830	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	157837	21.112	ug/l	97
36) 1,1-Dichloropropene	8.11	75	138915	21.141	ug/l	98
37) Ethyl Acetate	7.30	43	51530	18.986	ug/l	100
38) Carbon Tetrachloride	8.10	117	145607	20.966	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158997	20.697	ug/l	93
40) Benzene	8.36	78	372450	20.581	ug/l	100
41) Methacrylonitrile	7.53	41	29388	20.100	ug/l	94
42) 1,2-Dichloroethane	8.43	62	107091	19.866	ug/l	99
43) Isopropyl Acetate	8.46	43	97792	18.968	ug/l	100
44) Trichloroethene	9.11	130	105367	20.804	ug/l	99
45) 1,2-Dichloropropane	9.39	63	88908	20.266	ug/l	96
46) Dibromomethane	9.48	93	47822	19.966	ug/l	99
47) Bromodichloromethane	9.67	83	128634	20.639	ug/l	93
48) Methyl methacrylate	9.46	41	45763	19.289	ug/l	99
49) 1,4-Dioxane	9.47	88	9773	351.817	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	238310	92.381	ug/l	100
52) Toluene	10.41	92	240695	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115987	19.537	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	138315	19.899	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	64779	20.078	ug/l	95
56) Ethyl methacrylate	10.67	69	73308	19.001	ug/l	98
57) 1,3-Dichloropropane	10.95	76	109337	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125178	97.662	ug/l	99
59) 2-Hexanone	10.99	43	163318	91.784	ug/l	98
60) Dibromochloromethane	11.14	129	86353	20.026	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61227	19.709	ug/l	99
64) Tetrachloroethene	10.88	164	89560	20.512	ug/l	96
65) Chlorobenzene	11.68	112	251581	20.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	92075	19.957	ug/l	98
67) Ethyl Benzene	11.75	91	442379	20.312	ug/l	96
68) m/p-Xylenes	11.86	106	348738	41.588	ug/l	99
69) o-Xylene	12.19	106	150564	20.231	ug/l	99
70) Styrene	12.20	104	268554	20.257	ug/l	98
71) Bromoform	12.37	173	48659	18.973	ug/l #	99
73) Isopropylbenzene	12.48	105	421735	21.187	ug/l	100
74) N-amyl acetate	12.30	43	83928	18.843	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	64497	19.279	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	45033m	18.630	ug/l	
77) Bromobenzene	12.77	156	100935	20.725	ug/l	99
78) n-propylbenzene	12.83	91	500400	21.139	ug/l	99
79) 2-Chlorotoluene	12.91	91	275214	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	351355	21.540	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	22170	19.584	ug/l	97
82) 4-Chlorotoluene	13.01	91	290372	21.085	ug/l	100
83) tert-Butylbenzene	13.23	119	299781	21.656	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	342951	20.754	ug/l	99
85) sec-Butylbenzene	13.41	105	418746	21.364	ug/l	99
86) p-Isopropyltoluene	13.53	119	379208	20.675	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	188736	20.197	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	192267	20.730	ug/l	98
89) n-Butylbenzene	13.86	91	352012	21.031	ug/l	100
90) Hexachloroethane	14.12	117	73439	20.763	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	160798	20.269	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10356	19.343	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	114760	20.910	ug/l	99
94) Hexachlorobutadiene	15.28	225	72318	20.832	ug/l	99
95) Naphthalene	15.41	128	170023	19.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	95756	20.122	ug/l	99

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

