

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064660.D
 Acq On : 28 Dec 2019 00:21
 Operator : VA/SY
 Sample : VD1227SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:28 AM

Quant Time: Dec 30 04:13:02 2019
 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	370916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	569515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188459	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
35) Dibromofluoromethane	7.92	113	186054	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.34	98	703822	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.64	95	227878	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57030	19.784	ug/l	98
3) Chloromethane	2.21	50	89012	22.080	ug/l	94
4) Vinyl Chloride	2.35	62	102004	20.752	ug/l	96
5) Bromomethane	2.76	94	80527	22.531	ug/l	97
6) Chloroethane	2.92	64	72688	22.069	ug/l	97
7) Trichlorofluoromethane	3.27	101	172861	20.886	ug/l	100
8) Diethyl Ether	3.71	74	38617	23.496	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	68137	19.879	ug/l	100
10) Methyl Iodide	4.30	142	75435	20.489	ug/l	99
11) Tert butyl alcohol	5.26	59	21723	115.890	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	68212	20.903	ug/l	92
13) Acrolein	3.92	56	25765	98.629	ug/l	92
14) Allyl chloride	4.71	41	110114	21.643	ug/l	99
15) Acrylonitrile	5.44	53	78600	114.815	ug/l	97
16) Acetone	4.16	43	68931	95.673	ug/l	92
17) Carbon Disulfide	4.40	76	216899	20.556	ug/l	99
18) Methyl Acetate	4.73	43	45940	24.949	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	165843	22.881	ug/l	99
20) Methylene Chloride	4.96	84	88620	23.946	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	82011	22.068	ug/l	97
22) Diisopropyl ether	6.37	45	235561	23.212	ug/l	99
23) Vinyl Acetate	6.31	43	635819	110.450	ug/l	99
24) 1,1-Dichloroethane	6.26	63	137183	22.518	ug/l	98
25) 2-Butanone	7.23	43	98978	110.094	ug/l	95
26) 2,2-Dichloropropane	7.21	77	106909	18.874	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	90080	22.459	ug/l	98
28) Bromochloromethane	7.55	49	49196	20.773	ug/l	98
29) Tetrahydrofuran	7.57	42	62734	112.208	ug/l	99
30) Chloroform	7.71	83	148151	23.178	ug/l	99
31) Cyclohexane	7.98	56	118998	19.513	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	128086	21.335	ug/l	99
36) 1,1-Dichloropropene	8.11	75	108433	19.781	ug/l	99
37) Ethyl Acetate	7.30	43	46786	21.726	ug/l	97
38) Carbon Tetrachloride	8.10	117	115365	19.737	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	121751	18.338	ug/l	97
40) Benzene	8.36	78	310401	20.743	ug/l	100
41) Methacrylonitrile	7.54	41	26084	20.877	ug/l	90
42) 1,2-Dichloroethane	8.43	62	93571	21.639	ug/l	99
43) Isopropyl Acetate	8.46	43	91149	21.265	ug/l	100
44) Trichloroethene	9.11	130	90598	20.609	ug/l	95
45) 1,2-Dichloropropane	9.39	63	78145	21.872	ug/l	99
46) Dibromomethane	9.48	93	43647	21.911	ug/l	98
47) Bromodichloromethane	9.66	83	114046	21.516	ug/l	98
48) Methyl methacrylate	9.46	41	43476	21.542	ug/l	94
49) 1,4-Dioxane	9.46	88	10006	435.629	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	230650	108.869	ug/l	99
52) Toluene	10.40	92	204257	20.805	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	103769	20.998	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	125378	21.516	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	60202	22.425	ug/l	97
56) Ethyl methacrylate	10.66	69	71018	21.182	ug/l	100
57) 1,3-Dichloropropane	10.95	76	100135	21.664	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	138213	108.204	ug/l	100
59) 2-Hexanone	10.99	43	151635	105.453	ug/l	100
60) Dibromochloromethane	11.14	129	78918	21.258	ug/l	96
61) 1,2-Dibromoethane	11.25	107	54871	20.723	ug/l	96
64) Tetrachloroethene	10.88	164	78912	20.261	ug/l	97
65) Chlorobenzene	11.67	112	219455	20.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85493	21.523	ug/l	97
67) Ethyl Benzene	11.75	91	381573	19.952	ug/l	100
68) m/p-Xylenes	11.86	106	297174	40.258	ug/l	100
69) o-Xylene	12.18	106	135893	20.381	ug/l	100
70) Styrene	12.20	104	245582	20.984	ug/l	98
71) Bromoform	12.36	173	48557	21.436	ug/l #	94
73) Isopropylbenzene	12.48	105	362038	19.680	ug/l	98
74) N-amyl acetate	12.29	43	77320	19.662	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61443	21.262	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	38164m	18.775	ug/l	
77) Bromobenzene	12.77	156	92578	20.481	ug/l	98
78) n-propylbenzene	12.83	91	421856	19.657	ug/l	100
79) 2-Chlorotoluene	12.91	91	238766	20.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	300851	19.909	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19996	20.574	ug/l	95
82) 4-Chlorotoluene	13.01	91	254132	20.256	ug/l	98
83) tert-Butylbenzene	13.23	119	255474	19.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	300526	19.969	ug/l	97
85) sec-Butylbenzene	13.41	105	345286	19.196	ug/l	99
86) p-Isopropyltoluene	13.53	119	332576	19.337	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	176682	20.504	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	168407	19.895	ug/l	96
89) n-Butylbenzene	13.85	91	295305	19.066	ug/l	100
90) Hexachloroethane	14.12	117	65952	20.074	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	151256	20.586	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10288	21.961	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106283	19.645	ug/l	98
94) Hexachlorobutadiene	15.28	225	63005	18.507	ug/l	96
95) Naphthalene	15.41	128	174891	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	94682	20.500	ug/l	98

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

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