

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064520.D
 Acq On : 16 Dec 2019 12:43
 Operator : VA/SY
 Sample : VD1216SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 4:49:09 PM

Quant Time: Dec 17 02:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	644071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	561606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200966	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.91	113	210749	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.34	98	792818	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.64	95	256019	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80012	19.991	ug/l	98
3) Chloromethane	2.21	50	102111	20.227	ug/l	98
4) Vinyl Chloride	2.35	62	118436	20.319	ug/l	98
5) Bromomethane	2.76	94	85614	19.862	ug/l	96
6) Chloroethane	2.92	64	81118	20.821	ug/l	98
7) Trichlorofluoromethane	3.27	101	206112	21.271	ug/l	99
8) Diethyl Ether	3.71	74	39827	19.780	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	87622	21.090	ug/l	97
10) Methyl Iodide	4.29	142	86226	19.653	ug/l	98
11) Tert butyl alcohol	5.24	59	22077	86.743	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82284	20.667	ug/l	96
13) Acrolein	3.92	56	27344	78.768	ug/l	98
14) Allyl chloride	4.70	41	126630	20.379	ug/l	98
15) Acrylonitrile	5.43	53	80484	91.407	ug/l	98
16) Acetone	4.17	43	81951	101.428	ug/l	96
17) Carbon Disulfide	4.40	76	255365	20.251	ug/l	98
18) Methyl Acetate	4.72	43	43986	18.664	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	177269	19.410	ug/l	92
20) Methylene Chloride	4.96	84	93052	19.998	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	92984	20.646	ug/l	94
22) Diisopropyl ether	6.36	45	244118	19.901	ug/l	96
23) Vinyl Acetate	6.31	43	697615	96.468	ug/l	98
24) 1,1-Dichloroethane	6.26	63	154883	20.996	ug/l	99
25) 2-Butanone	7.22	43	105162	92.034	ug/l	98
26) 2,2-Dichloropropane	7.21	77	135864	21.178	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	98793	20.121	ug/l	98
28) Bromochloromethane	7.54	49	41222	16.351	ug/l	99
29) Tetrahydrofuran	7.57	42	66473	91.438	ug/l	98
30) Chloroform	7.71	83	156593	20.497	ug/l	99
31) Cyclohexane	7.98	56	148082	20.264	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	149203	21.065	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128446	21.084	ug/l	98
37) Ethyl Acetate	7.30	43	46582	18.020	ug/l	97
38) Carbon Tetrachloride	8.09	117	133664	20.789	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156302	20.683	ug/l	97
40) Benzene	8.35	78	346302	20.467	ug/l	99
41) Methacrylonitrile	7.53	41	29528	19.919	ug/l	94
42) 1,2-Dichloroethane	8.43	62	100430	20.353	ug/l	97
43) Isopropyl Acetate	8.46	43	93648	18.425	ug/l	97
44) Trichloroethene	9.11	130	102172	20.046	ug/l	98
45) 1,2-Dichloropropane	9.39	63	82317	20.342	ug/l	96
46) Dibromomethane	9.47	93	45903	20.099	ug/l	98
47) Bromodichloromethane	9.66	83	120431	20.522	ug/l	98
48) Methyl methacrylate	9.46	41	44223	19.015	ug/l	97
49) 1,4-Dioxane	9.47	88	9813	347.947	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	230998	91.855	ug/l	100
52) Toluene	10.40	92	222486	20.177	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	111850	19.999	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	134359	20.222	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	59979	19.179	ug/l	93
56) Ethyl methacrylate	10.66	69	73923	18.533	ug/l	98
57) 1,3-Dichloropropane	10.95	76	104292	19.591	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	164007	103.147	ug/l	98
59) 2-Hexanone	10.98	43	154795	88.708	ug/l	98
60) Dibromochloromethane	11.14	129	81062	19.118	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61009	19.539	ug/l	99
64) Tetrachloroethene	10.88	164	90299	21.085	ug/l	96
65) Chlorobenzene	11.67	112	240934	20.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	90672	20.911	ug/l	98
67) Ethyl Benzene	11.75	91	425892	20.436	ug/l	99
68) m/p-Xylenes	11.86	106	321385	40.445	ug/l	98
69) o-Xylene	12.18	106	150028	20.443	ug/l	99
70) Styrene	12.20	104	265484	20.817	ug/l	98
71) Bromoform	12.37	173	49888	19.230	ug/l #	100
73) Isopropylbenzene	12.48	105	407873	19.817	ug/l	99
74) N-amyl acetate	12.29	43	84726	18.138	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	62234	18.285	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	48924m	20.789	ug/l	
77) Bromobenzene	12.77	156	100851	19.843	ug/l	99
78) n-propylbenzene	12.83	91	473111	19.923	ug/l	100
79) 2-Chlorotoluene	12.91	91	261146	19.985	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	328972	19.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21184	19.628	ug/l	97
82) 4-Chlorotoluene	13.01	91	278807	20.152	ug/l	98
83) tert-Butylbenzene	13.23	119	291535	19.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	332557	19.664	ug/l	98
85) sec-Butylbenzene	13.41	105	400759	19.969	ug/l	100
86) p-Isopropyltoluene	13.53	119	370297	19.544	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	185421	19.221	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186457	19.578	ug/l	99
89) n-Butylbenzene	13.86	91	343063	19.939	ug/l	99
90) Hexachloroethane	14.12	117	70139	19.792	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	156219	18.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9982	16.711	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	120999	19.164	ug/l	99
94) Hexachlorobutadiene	15.28	225	75888	19.470	ug/l	99
95) Naphthalene	15.41	128	188237	17.865	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103636	19.229	ug/l	99

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

