

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064429.D
 Acq On : 05 Dec 2019 11:47
 Operator : VA/SY
 Sample : VD1205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 12:59:13 PM

Quant Time: Dec 06 06:15:48 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	474680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	684391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203245	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	7.91	113	211242	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	818056	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.64	95	258224	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92513	21.509	ug/l	97
3) Chloromethane	2.21	50	115459	21.283	ug/l	95
4) Vinyl Chloride	2.35	62	130264	20.797	ug/l	100
5) Bromomethane	2.76	94	89285	19.276	ug/l	95
6) Chloroethane	2.92	64	86964	20.772	ug/l	98
7) Trichlorofluoromethane	3.27	101	219284	21.059	ug/l	96
8) Diethyl Ether	3.70	74	43397	20.056	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94372	21.138	ug/l	97
10) Methyl Iodide	4.29	142	89187	18.916	ug/l	99
11) Tert butyl alcohol	5.24	59	21614	79.028	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	91493	21.384	ug/l	96
13) Acrolein	3.93	56	33068	88.643	ug/l	100
14) Allyl chloride	4.71	41	143122	21.434	ug/l	99
15) Acrylonitrile	5.43	53	89481	94.570	ug/l	100
16) Acetone	4.17	43	77980	89.813	ug/l #	81
17) Carbon Disulfide	4.40	76	288255	21.272	ug/l	99
18) Methyl Acetate	4.73	43	55901	22.073	ug/l #	71
19) Methyl tert-butyl Ether	5.48	73	192149	19.578	ug/l	94
20) Methylene Chloride	4.97	84	99978	19.994	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	101593	20.992	ug/l	96
22) Diisopropyl ether	6.36	45	272152	20.646	ug/l	93
23) Vinyl Acetate	6.31	43	744658	95.825	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169650	21.401	ug/l	99
25) 2-Butanone	7.22	43	107751	87.754	ug/l	97
26) 2,2-Dichloropropane	7.20	77	152370	22.102	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110153	20.877	ug/l	98
28) Bromochloromethane	7.55	49	41221	15.216	ug/l	97
29) Tetrahydrofuran	7.57	42	72170	92.383	ug/l	98
30) Chloroform	7.71	83	171607	20.902	ug/l	98
31) Cyclohexane	7.98	56	162301	20.769	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	162979	21.412	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137545	21.248	ug/l	99
37) Ethyl Acetate	7.30	43	50360	18.334	ug/l	98
38) Carbon Tetrachloride	8.09	117	150449	22.021	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171433	21.349	ug/l	96
40) Benzene	8.35	78	381821	21.237	ug/l	97
41) Methacrylonitrile	7.53	41	27076	17.188	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	109829	20.947	ug/l	99
43) Isopropyl Acetate	8.46	43	102345	18.950	ug/l	98
44) Trichloroethene	9.11	130	114645	21.168	ug/l	96
45) 1,2-Dichloropropane	9.38	63	93027	21.635	ug/l	99
46) Dibromomethane	9.48	93	48741	20.084	ug/l	98
47) Bromodichloromethane	9.66	83	131547	21.096	ug/l	98
48) Methyl methacrylate	9.46	41	48544	19.643	ug/l	94
49) 1,4-Dioxane	9.46	88	10840	361.717	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	248398	92.955	ug/l	100
52) Toluene	10.40	92	244271	20.847	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120716	20.313	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	150250	21.282	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65151	19.606	ug/l	96
56) Ethyl methacrylate	10.66	69	79497	18.757	ug/l	94
57) 1,3-Dichloropropane	10.95	76	112976	19.972	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	176623	104.537	ug/l	97
59) 2-Hexanone	10.99	43	168322	90.777	ug/l	99
60) Dibromochloromethane	11.14	129	90237	20.028	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63667	19.189	ug/l	100
64) Tetrachloroethene	10.88	164	97217	21.198	ug/l	98
65) Chlorobenzene	11.67	112	259721	20.706	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	94542	20.360	ug/l	98
67) Ethyl Benzene	11.75	91	467869	20.964	ug/l	98
68) m/p-Xylenes	11.86	106	355836	41.816	ug/l	98
69) o-Xylene	12.18	106	161821	20.590	ug/l	98
70) Styrene	12.20	104	282954	20.719	ug/l	99
71) Bromoform	12.37	173	53598	19.293	ug/l #	99
73) Isopropylbenzene	12.48	105	441790	20.873	ug/l	98
74) N-amyl acetate	12.29	43	89072	18.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	67767	19.362	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	52846m	21.836	ug/l	
77) Bromobenzene	12.77	156	111181	21.272	ug/l	97
78) n-propylbenzene	12.83	91	514271	21.059	ug/l	99
79) 2-Chlorotoluene	12.91	91	282485	21.022	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	362729	20.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21532	19.400	ug/l	97
82) 4-Chlorotoluene	13.01	91	295484	20.769	ug/l	99
83) tert-Butylbenzene	13.23	119	313779	20.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	358027	20.586	ug/l	99
85) sec-Butylbenzene	13.41	105	430502	20.860	ug/l	99
86) p-Isopropyltoluene	13.53	119	401125	20.587	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	205035	20.668	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199996	20.420	ug/l	97
89) n-Butylbenzene	13.85	91	368818	20.844	ug/l	99
90) Hexachloroethane	14.12	117	77830	21.357	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171717	20.255	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11642	19.597	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	129545	19.952	ug/l	97
94) Hexachlorobutadiene	15.28	225	82504	20.583	ug/l	98
95) Naphthalene	15.41	128	201895	18.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108126	19.509	ug/l	98

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

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