

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064430.D
 Acq On : 05 Dec 2019 12:14
 Operator : VA/SY
 Sample : VD1205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 12:59:16 PM

Quant Time: Dec 06 07:53:58 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	496541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	713290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	211738	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	7.92	113	218386	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.34	98	823168	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	260147	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89441	19.880	ug/l	96
3) Chloromethane	2.21	50	112434	19.813	ug/l	94
4) Vinyl Chloride	2.35	62	131366	20.050	ug/l	98
5) Bromomethane	2.76	94	90205	18.617	ug/l	99
6) Chloroethane	2.92	64	83668	19.105	ug/l	97
7) Trichlorofluoromethane	3.27	101	212492	19.509	ug/l	96
8) Diethyl Ether	3.70	74	43744	19.327	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91931	19.684	ug/l	97
10) Methyl Iodide	4.29	142	91425	18.537	ug/l	97
11) Tert butyl alcohol	5.25	59	26325	92.016	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	85866	19.186	ug/l	97
13) Acrolein	3.93	56	35484	90.932	ug/l	95
14) Allyl chloride	4.71	41	134757	19.293	ug/l	100
15) Acrylonitrile	5.43	53	92790	93.750	ug/l	98
16) Acetone	4.17	43	84411	92.940	ug/l	96
17) Carbon Disulfide	4.40	76	276356	19.496	ug/l	96
18) Methyl Acetate	4.73	43	59726	22.545	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	187041	18.219	ug/l	99
20) Methylene Chloride	4.96	84	96941	18.176	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	97177	19.195	ug/l	97
22) Diisopropyl ether	6.37	45	255962	18.563	ug/l	96
23) Vinyl Acetate	6.31	43	745039	91.653	ug/l	100
24) 1,1-Dichloroethane	6.27	63	159485	19.233	ug/l	98
25) 2-Butanone	7.22	43	120525	93.835	ug/l	99
26) 2,2-Dichloropropane	7.21	77	141813	19.665	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103986	18.840	ug/l	99
28) Bromochloromethane	7.55	49	43228	15.254	ug/l	97
29) Tetrahydrofuran	7.57	42	77548	94.897	ug/l	98
30) Chloroform	7.71	83	164643	19.171	ug/l	98
31) Cyclohexane	7.98	56	160566	19.368	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	152239	19.121	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130039	19.274	ug/l	100
37) Ethyl Acetate	7.30	43	54820	19.149	ug/l	99
38) Carbon Tetrachloride	8.09	117	139603	19.605	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163769	19.568	ug/l	99
40) Benzene	8.35	78	360369	19.231	ug/l	99
41) Methacrylonitrile	7.53	41	25372m	15.454	ug/l	
42) 1,2-Dichloroethane	8.43	62	105206	19.252	ug/l	99
43) Isopropyl Acetate	8.46	43	107952	19.179	ug/l	98
44) Trichloroethene	9.11	130	107990	19.132	ug/l	97
45) 1,2-Dichloropropane	9.39	63	85519	19.083	ug/l	100
46) Dibromomethane	9.48	93	47979	18.969	ug/l	99
47) Bromodichloromethane	9.66	83	122536	18.854	ug/l	94
48) Methyl methacrylate	9.46	41	48676	18.898	ug/l	96
49) 1,4-Dioxane	9.47	88	11075	354.586	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	262578	94.281	ug/l	100
52) Toluene	10.40	92	232608	19.047	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118285	19.097	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	140302	19.068	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65399	18.883	ug/l	95
56) Ethyl methacrylate	10.66	69	82041	18.572	ug/l	99
57) 1,3-Dichloropropane	10.95	76	114105	19.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172476	97.947	ug/l	98
59) 2-Hexanone	10.98	43	180029	93.157	ug/l	99
60) Dibromochloromethane	11.14	129	87788	18.695	ug/l	97
61) 1,2-Dibromoethane	11.25	107	63711	18.424	ug/l	98
64) Tetrachloroethene	10.87	164	91560	19.320	ug/l	92
65) Chlorobenzene	11.67	112	245716	18.957	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	90035	18.764	ug/l	98
67) Ethyl Benzene	11.75	91	444703	19.283	ug/l	99
68) m/p-Xylenes	11.86	106	336530	38.271	ug/l	100
69) o-Xylene	12.18	106	153617	18.916	ug/l	99
70) Styrene	12.20	104	267909	18.984	ug/l	100
71) Bromoform	12.37	173	52909	18.430	ug/l #	98
73) Isopropylbenzene	12.48	105	421731	19.524	ug/l	100
74) N-amyl acetate	12.29	43	91538	18.671	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70816	19.825	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	55604m	22.513	ug/l	
77) Bromobenzene	12.77	156	106985	20.056	ug/l	96
78) n-propylbenzene	12.83	91	491400	19.717	ug/l	99
79) 2-Chlorotoluene	12.91	91	271368	19.788	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	344471	19.514	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22519	19.881	ug/l	95
82) 4-Chlorotoluene	13.01	91	281641	19.397	ug/l	100
83) tert-Butylbenzene	13.23	119	301118	19.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	342537	19.298	ug/l	99
85) sec-Butylbenzene	13.41	105	407796	19.361	ug/l	99
86) p-Isopropyltoluene	13.53	119	381861	19.203	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	194361	19.197	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189039	18.912	ug/l	97
89) n-Butylbenzene	13.85	91	349144	19.335	ug/l	100
90) Hexachloroethane	14.12	117	73355	19.723	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	168097	19.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11074	17.938	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123740	18.674	ug/l	99
94) Hexachlorobutadiene	15.28	225	74514	18.215	ug/l	98
95) Naphthalene	15.41	128	208245	18.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105598	18.669	ug/l	98

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

