

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD033119\
 Data File : VD061446.D
 Acq On : 31 Mar 2019 14:55
 Operator : VA/AP
 Sample : VD0331SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0331SBS01

Quant Time: Apr 01 01:53:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	683915	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1087875	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	894664	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	433812	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	283647	48.55	ug/l	0.05
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	6.95	113	436872	52.55	ug/l	0.05
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.43	98	1042186	52.27	ug/l	0.04
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	13.57	95	406559	53.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	143730	19.679	ug/l	98
3) Chloromethane	1.77	50	118433	19.882	ug/l	98
4) Vinyl Chloride	1.86	62	110383	20.182	ug/l	99
5) Bromomethane	2.16	94	20087	18.521	ug/l	94
6) Chloroethane	2.28	64	27983	17.447	ug/l #	87
7) Trichlorofluoromethane	2.54	101	163678	20.580	ug/l	100
8) Diethyl Ether	2.89	74	47946	18.724	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.17	101	175853	20.567	ug/l	99
10) Methyl Iodide	3.33	142	223302	19.454	ug/l	99
11) Tert butyl alcohol	4.09	59	37993	104.423	ug/l	97
12) 1,1-Dichloroethene	3.14	96	150220	20.463	ug/l	98
13) Acrolein	3.05	56	29132	90.467	ug/l	93
14) Allyl chloride	3.65	41	207623	20.278	ug/l	99
15) Acrylonitrile	4.22	53	133627	105.817	ug/l	95
16) Acetone	3.24	43	138988	92.544	ug/l	97
17) Carbon Disulfide	3.40	76	450135	18.873	ug/l	98
18) Methyl Acetate	3.67	43	65302	20.680	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	282720	22.249	ug/l	95
20) Methylene Chloride	3.84	84	177559	19.951	ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	171145	21.594	ug/l	96
22) Diisopropyl ether	5.15	45	467481	21.576	ug/l	97
23) Vinyl Acetate	5.08	43	1241591	105.493	ug/l	100
24) 1,1-Dichloroethane	5.01	63	257506	20.223	ug/l	99
25) 2-Butanone	6.10	43	180007	95.282	ug/l	97
26) 2,2-Dichloropropane	6.05	77	205589	20.310	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	172601	19.877	ug/l	97
28) Bromochloromethane	6.47	49	98583	19.179	ug/l #	95
29) Tetrahydrofuran	6.48	42	91351	99.762	ug/l	98
30) Chloroform	6.70	83	278502	21.167	ug/l	97
31) Cyclohexane	6.98	56	208702	20.741	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	238342	20.533	ug/l	93
36) 1,1-Dichloropropene	7.17	75	215453	22.692	ug/l	97
37) Ethyl Acetate	6.21	43	86327	21.259	ug/l	99
38) Carbon Tetrachloride	7.14	117	236349	21.663	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	215091	21.751	ug/l	97
40) Benzene	7.48	78	527891	22.153	ug/l	97
41) Methacrylonitrile	6.47	41	101909	21.464	ug/l #	92
42) 1,2-Dichloroethane	7.60	62	174253	24.447	ug/l	97
43) Isopropyl Acetate	9.27	43	130622	22.109	ug/l	97
44) Trichloroethene	8.57	130	185527	20.921	ug/l	96
45) 1,2-Dichloropropane	8.96	63	130582	21.611	ug/l	99
46) Dibromomethane	9.09	93	86542	21.279	ug/l	95
47) Bromodichloromethane	9.39	83	208750	22.869	ug/l	96
48) Methyl methacrylate	9.15	41	72562	22.254	ug/l	97
49) 1,4-Dioxane	9.10	88	15403	428.281	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	383119	106.585	ug/l	96
52) Toluene	10.53	92	340619	23.430	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	192546	23.217	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	230213	22.797	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	110062	21.648	ug/l	96
56) Ethyl methacrylate	11.06	69	118476	21.692	ug/l	99
57) 1,3-Dichloropropane	11.43	76	169887	22.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	297157	111.721	ug/l	98
59) 2-Hexanone	11.55	43	290294	111.467	ug/l	99
60) Dibromochloromethane	11.71	129	171481	21.879	ug/l	100
61) 1,2-Dibromoethane	11.83	107	131746	22.379	ug/l	93
64) Tetrachloroethene	11.27	164	158212	22.532	ug/l	99
65) Chlorobenzene	12.42	112	392996	21.494	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	164040	23.172	ug/l	98
67) Ethyl Benzene	12.54	91	658872	23.609	ug/l	96
68) m/p-Xylenes	12.68	106	435137	41.161	ug/l	96
69) o-Xylene	13.07	106	241159	23.507	ug/l	95
70) Styrene	13.09	104	420177	23.495	ug/l	98
71) Bromoform	13.25	173	95150	21.203	ug/l	100
73) Isopropylbenzene	13.42	105	674717	22.347	ug/l	98
74) N-amyl acetate	13.27	43	156364	18.591	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	126243	19.821	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	131402	20.969	ug/l	96
77) Bromobenzene	13.69	156	176534	19.722	ug/l	82
78) n-propylbenzene	13.79	91	776012	21.002	ug/l	98
79) 2-Chlorotoluene	13.85	91	382845	19.083	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	517785	22.103	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	39970	20.919	ug/l	95
82) 4-Chlorotoluene	13.96	91	463586	21.251	ug/l	99
83) tert-Butylbenzene	14.20	119	593634	20.277	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	482484	19.024	ug/l	99
85) sec-Butylbenzene	14.38	105	623527	20.048	ug/l	99
86) p-Isopropyltoluene	14.50	119	624127	23.732	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	332942	21.966	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	318103	21.520	ug/l	98
89) n-Butylbenzene	14.81	91	530381	21.972	ug/l	98
90) Hexachloroethane	15.02	117	152206	20.486	ug/l	68
91) 1,2-Dichlorobenzene	14.82	146	272648	21.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15822	21.180	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	131300	23.183	ug/l	97
94) Hexachlorobutadiene	16.05	225	92488	20.898	ug/l	100
95) Naphthalene	16.14	128	221847	25.698	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	75149	30.153	ug/l	94

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

