

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062745.D
 Acq On : 18 Jun 2019 13:15
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 05:24:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	679960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	906253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	779532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	408478	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	489036	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	6.92	113	473752	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.40	98	1010417	50.25	ug/l	-0.01
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	13.55	95	463940	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	172695	20.315	ug/l	96
3) Chloromethane	1.74	50	132831	19.743	ug/l	97
4) Vinyl Chloride	1.84	62	142078	20.479	ug/l	98
5) Bromomethane	2.14	94	62935	17.971	ug/l	86
6) Chloroethane	2.25	64	65119	19.011	ug/l #	83
7) Trichlorofluoromethane	2.52	101	309715	19.945	ug/l	96
8) Diethyl Ether	2.87	74	36143	17.113	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	168772	20.153	ug/l	99
10) Methyl Iodide	3.29	142	191183	18.474	ug/l	91
11) Tert butyl alcohol	4.08	59	38351	95.090	ug/l #	88
12) 1,1-Dichloroethene	3.12	96	121123	20.154	ug/l	88
13) Acrolein	3.03	56	11702	90.200	ug/l #	70
14) Allyl chloride	3.61	41	187453	20.285	ug/l	84
15) Acrylonitrile	4.19	53	93721	102.260	ug/l	97
16) Acetone	3.22	43	181521	101.031	ug/l	98
17) Carbon Disulfide	3.36	76	328568	18.552	ug/l	99
18) Methyl Acetate	3.64	43	66852	22.641	ug/l #	77
19) Methyl tert-butyl Ether	4.23	73	287559	19.618	ug/l	94
20) Methylene Chloride	3.81	84	156688	22.842	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	123322	18.707	ug/l	97
22) Diisopropyl ether	5.12	45	390763	20.365	ug/l	92
23) Vinyl Acetate	5.05	43	1175926	98.787	ug/l	97
24) 1,1-Dichloroethane	4.97	63	243117	19.696	ug/l	99
25) 2-Butanone	6.07	43	169788	96.865	ug/l	99
26) 2,2-Dichloropropane	6.01	77	288832	20.303	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	149960	20.983	ug/l	94
28) Bromochloromethane	6.43	49	77636	16.453	ug/l	95
29) Tetrahydrofuran	6.45	42	75030	95.053	ug/l	98
30) Chloroform	6.66	83	308250	19.464	ug/l	97
31) Cyclohexane	6.95	56	151889	19.616	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	318074	20.184	ug/l	93
36) 1,1-Dichloropropene	7.14	75	197018	18.995	ug/l	96
37) Ethyl Acetate	6.18	43	86651	20.324	ug/l #	88
38) Carbon Tetrachloride	7.10	117	323649	19.742	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	163362	19.491	ug/l	88
40) Benzene	7.45	78	419812	20.726	ug/l	100
41) Methacrylonitrile	6.45	41	103605	19.082	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	241413	19.996	ug/l	98
43) Isopropyl Acetate	9.24	43	110444	20.181	ug/l #	96
44) Trichloroethene	8.53	130	159778	19.430	ug/l	89
45) 1,2-Dichloropropane	8.94	63	103151	21.201	ug/l	99
46) Dibromomethane	9.06	93	85025	19.688	ug/l	89
47) Bromodichloromethane	9.37	83	229204	19.510	ug/l	93
48) Methyl methacrylate	9.12	41	79729	20.165	ug/l #	89
49) 1,4-Dioxane	9.08	88	10965	342.740	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	400658	104.627	ug/l	100
52) Toluene	10.51	92	274064	20.129	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	202512	21.025	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	200288	20.119	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	97231	20.823	ug/l	95
56) Ethyl methacrylate	11.04	69	105588	21.229	ug/l	91
57) 1,3-Dichloropropane	11.41	76	139066	19.216	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	281188	112.672	ug/l	95
59) 2-Hexanone	11.53	43	291585	102.363	ug/l	99
60) Dibromochloromethane	11.68	129	178763	19.394	ug/l	100
61) 1,2-Dibromoethane	11.80	107	118008	21.117	ug/l	93
64) Tetrachloroethene	11.26	164	144222	19.764	ug/l	94
65) Chlorobenzene	12.40	112	340447	19.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	165391	20.111	ug/l	87
67) Ethyl Benzene	12.52	91	644075	21.068	ug/l	100
68) m/p-Xylenes	12.67	106	445998	41.497	ug/l	95
69) o-Xylene	13.05	106	208440	21.117	ug/l	100
70) Styrene	13.07	104	357681	20.309	ug/l	96
71) Bromoform	13.24	173	115555	20.111	ug/l	98
73) Isopropylbenzene	13.40	105	647085	22.475	ug/l	96
74) N-amyl acetate	13.27	43	157432	20.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	105128	21.339	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	121900	22.009	ug/l	97
77) Bromobenzene	13.67	156	179992	21.872	ug/l	93
78) n-propylbenzene	13.77	91	743681	21.102	ug/l	95
79) 2-Chlorotoluene	13.84	91	450695	21.841	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	556565	21.873	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	31021	21.310	ug/l	93
82) 4-Chlorotoluene	13.95	91	536846	21.755	ug/l	95
83) tert-Butylbenzene	14.19	119	648197	23.096	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	529604	21.021	ug/l	96
85) sec-Butylbenzene	14.37	105	636912	21.642	ug/l	97
86) p-Isopropyltoluene	14.49	119	645376	22.524	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	327782	21.987	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	292164	20.737	ug/l	98
89) n-Butylbenzene	14.80	91	555884	21.565	ug/l	97
90) Hexachloroethane	15.01	117	161793	21.389	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	271550	21.913	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19308	18.348	ug/l #	18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	195408	20.830	ug/l	100
94) Hexachlorobutadiene	16.03	225	153298	20.952	ug/l	91
95) Naphthalene	16.12	128	294633	21.957	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	161113	22.572	ug/l	96

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

