

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061969.D
 Acq On : 23 Apr 2019 13:52
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 14:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	631674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1071042	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	912276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	425432	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	106142	17.88	ug/l	0.00
Spiked Amount			Recovery	=	35.76%	
35) Dibromofluoromethane	6.93	113	143417	17.42	ug/l	0.00
Spiked Amount			Recovery	=	34.84%	
50) Toluene-d8	10.41	98	361821	19.68	ug/l	0.00
Spiked Amount			Recovery	=	39.36%	
62) 4-Bromofluorobenzene	13.55	95	149692	18.60	ug/l	0.00
Spiked Amount			Recovery	=	37.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	115016	18.873	ug/l	98
3) Chloromethane	1.75	50	105623	21.985	ug/l	95
4) Vinyl Chloride	1.85	62	94249	21.884	ug/l	96
5) Bromomethane	2.14	94	21495	16.188	ug/l	96
6) Chloroethane	2.25	64	27259	16.619	ug/l	93
7) Trichlorofluoromethane	2.52	101	144687	20.745	ug/l	96
8) Diethyl Ether	2.87	74	37292	20.394	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	138320	22.293	ug/l	97
10) Methyl Iodide	3.31	142	123434	13.461	ug/l	96
11) Tert butyl alcohol	4.07	59	32542	102.929	ug/l	98
12) 1,1-Dichloroethene	3.13	96	114040	22.690	ug/l	95
13) Acrolein	3.04	56	32624	141.356	ug/l	90
14) Allyl chloride	3.62	41	149185	20.316	ug/l	96
15) Acrylonitrile	4.19	53	91235	92.737	ug/l	98
16) Acetone	3.22	43	126328	114.844	ug/l	95
17) Carbon Disulfide	3.38	76	309366	20.748	ug/l	98
18) Methyl Acetate	3.64	43	52698	18.970	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	221106	19.065	ug/l	97
20) Methylene Chloride	3.82	84	132798	18.785	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	124358	20.299	ug/l	99
22) Diisopropyl ether	5.12	45	319094	17.589	ug/l	96
23) Vinyl Acetate	5.06	43	888614	91.979	ug/l	100
24) 1,1-Dichloroethane	4.99	63	209567	19.627	ug/l	99
25) 2-Butanone	6.07	43	142283	92.842	ug/l	92
26) 2,2-Dichloropropane	6.02	77	179982	20.420	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	139614	19.312	ug/l	92
28) Bromochloromethane	6.44	49	82114	19.514	ug/l	97
29) Tetrahydrofuran	6.47	42	69697	87.353	ug/l	97
30) Chloroform	6.66	83	231506	18.477	ug/l	97
31) Cyclohexane	6.96	56	144488	19.059	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	211127	19.272	ug/l	99
36) 1,1-Dichloropropene	7.15	75	164196	19.137	ug/l	100
37) Ethyl Acetate	6.18	43	73335	18.512	ug/l #	94
38) Carbon Tetrachloride	7.12	117	208222	19.008	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	190469	22.503	ug/l	98
40) Benzene	7.46	78	445995	20.681	ug/l	96
41) Methacrylonitrile	6.44	41	82417	17.577	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	152999	19.325	ug/l	100
43) Isopropyl Acetate	9.24	43	115122	19.946	ug/l	99
44) Trichloroethene	8.54	130	163290	20.382	ug/l	100
45) 1,2-Dichloropropane	8.94	63	114809	20.878	ug/l	92
46) Dibromomethane	9.07	93	81737	19.593	ug/l	96
47) Bromodichloromethane	9.38	83	195198	20.419	ug/l	97
48) Methyl methacrylate	9.11	41	63616	19.318	ug/l	91
49) 1,4-Dioxane	9.08	88	13926	409.261	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	335222	90.912	ug/l	98
52) Toluene	10.51	92	293588	21.159	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	158472	18.672	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	209041	21.201	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	98911	19.810	ug/l	94
56) Ethyl methacrylate	11.04	69	112382	21.189	ug/l	96
57) 1,3-Dichloropropane	11.41	76	146148	19.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	250949	98.615	ug/l	99
59) 2-Hexanone	11.54	43	279764	107.848	ug/l	97
60) Dibromochloromethane	11.68	129	165378	20.575	ug/l	99
61) 1,2-Dibromoethane	11.81	107	118722	19.844	ug/l	97
64) Tetrachloroethene	11.26	164	132289	19.914	ug/l	97
65) Chlorobenzene	12.40	112	344551	19.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	151720	20.992	ug/l	97
67) Ethyl Benzene	12.53	91	601425	22.624	ug/l	100
68) m/p-Xylenes	12.67	106	439526	43.225	ug/l	98
69) o-Xylene	13.05	106	193470	19.992	ug/l	94
70) Styrene	13.07	104	348395	20.805	ug/l	99
71) Bromoform	13.24	173	80863	18.126	ug/l #	99
73) Isopropylbenzene	13.41	105	571738	21.075	ug/l	97
74) N-amyl acetate	13.27	43	146764	19.890	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	105196	17.989	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	111287	19.700	ug/l	98
77) Bromobenzene	13.67	156	159032	19.910	ug/l	97
78) n-propylbenzene	13.77	91	720435	22.371	ug/l	96
79) 2-Chlorotoluene	13.84	91	394502	20.498	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	456535	20.104	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	28656	17.156	ug/l	90
82) 4-Chlorotoluene	13.95	91	446583	20.594	ug/l	92
83) tert-Butylbenzene	14.19	119	564994	21.918	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	431319	19.367	ug/l	98
85) sec-Butylbenzene	14.37	105	594361	21.422	ug/l	96
86) p-Isopropyltoluene	14.49	119	498400	19.620	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	297006	20.562	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	293703	21.566	ug/l	97
89) n-Butylbenzene	14.79	91	466931	20.200	ug/l	95
90) Hexachloroethane	15.01	117	137502	19.382	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	241645	19.511	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15154	19.445	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	128994	20.772	ug/l	99
94) Hexachlorobutadiene	16.04	225	97268	21.516	ug/l	97
95) Naphthalene	16.12	128	215292	21.591	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	69712	20.180	ug/l	98

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

