

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061967.D
 Acq On : 23 Apr 2019 12:51
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 23 13:18:17 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	592633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1022943	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	823877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	343406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	468752	84.18	ug/l	0.00
Spiked Amount			Recovery	=	168.36%	
35) Dibromofluoromethane	6.93	113	657595	83.63	ug/l	0.00
Spiked Amount			Recovery	=	167.26%	
50) Toluene-d8	10.41	98	1614431	91.96	ug/l	0.00
Spiked Amount			Recovery	=	183.92%	
62) 4-Bromofluorobenzene	13.55	95	613926	79.85	ug/l	0.00
Spiked Amount			Recovery	=	159.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	542873	94.950	ug/l	98
3) Chloromethane	1.75	50	426539	94.632	ug/l	99
4) Vinyl Chloride	1.85	62	422946	104.674	ug/l	99
5) Bromomethane	2.15	94	85528	68.655	ug/l	98
6) Chloroethane	2.25	64	143846	93.478	ug/l	98
7) Trichlorofluoromethane	2.53	101	641862	98.093	ug/l	99
8) Diethyl Ether	2.87	74	166592	97.107	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	538853	92.568	ug/l	99
10) Methyl Iodide	3.31	142	932583	108.402	ug/l	99
11) Tert butyl alcohol	4.06	59	129559	436.786	ug/l	99
12) 1,1-Dichloroethene	3.13	96	467974	99.242	ug/l	97
13) Acrolein	3.04	56	137689	635.892	ug/l	97
14) Allyl chloride	3.62	41	667046	96.823	ug/l	97
15) Acrylonitrile	4.19	53	383415	415.403	ug/l	93
16) Acetone	3.22	43	579104	561.142	ug/l	99
17) Carbon Disulfide	3.38	76	1451428	103.754	ug/l	99
18) Methyl Acetate	3.64	43	197297	75.703	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	916993	84.275	ug/l	94
20) Methylene Chloride	3.82	84	527409	79.522	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	523641	91.105	ug/l	95
22) Diisopropyl ether	5.12	45	1455658	85.525	ug/l	97
23) Vinyl Acetate	5.06	43	3864534	426.364	ug/l	99
24) 1,1-Dichloroethane	4.99	63	842503	84.105	ug/l	100
25) 2-Butanone	6.07	43	638342	443.970	ug/l	98
26) 2,2-Dichloropropane	6.02	77	776565	93.909	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	601265	88.646	ug/l	96
28) Bromochloromethane	6.44	49	310662	78.691	ug/l	96
29) Tetrahydrofuran	6.46	42	287895	384.596	ug/l	97
30) Chloroform	6.66	83	1014712	86.321	ug/l	99
31) Cyclohexane	6.96	56	636386	89.473	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	863782	84.043	ug/l	98
36) 1,1-Dichloropropene	7.16	75	743541	90.732	ug/l	98
37) Ethyl Acetate	6.18	43	300762	79.491	ug/l	96
38) Carbon Tetrachloride	7.12	117	971768	92.879	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	781749	96.704	ug/l	99
40) Benzene	7.46	78	1928578	93.634	ug/l	98
41) Methacrylonitrile	6.45	41	338711	75.633	ug/l	95
42) 1,2-Dichloroethane	7.58	62	648124	85.712	ug/l	99
43) Isopropyl Acetate	9.24	43	521787	94.655	ug/l #	97
44) Trichloroethene	8.54	130	761242	99.486	ug/l	98
45) 1,2-Dichloropropane	8.95	63	489233	93.151	ug/l	98
46) Dibromomethane	9.07	93	364074	91.373	ug/l	97
47) Bromodichloromethane	9.38	83	885285	96.962	ug/l	98
48) Methyl methacrylate	9.12	41	278718	88.619	ug/l	98
49) 1,4-Dioxane	9.09	88	61808	1901.840	ug/l	94
51) 4-Methyl-2-Pentanone	10.31	43	1361212	386.518	ug/l	99
52) Toluene	10.51	92	1161564	87.653	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	674994	83.269	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	838571	89.046	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	408602	85.682	ug/l	98
56) Ethyl methacrylate	11.04	69	447534	88.348	ug/l	99
57) 1,3-Dichloropropane	11.41	76	665623	93.678	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	975644	401.426	ug/l	99
59) 2-Hexanone	11.54	43	1011628	408.314	ug/l	99
60) Dibromochloromethane	11.68	129	688467	89.683	ug/l	97
61) 1,2-Dibromoethane	11.81	107	508703	89.027	ug/l	96
64) Tetrachloroethene	11.26	164	582743	97.136	ug/l	97
65) Chlorobenzene	12.40	112	1480553	93.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	607997	93.150	ug/l	98
67) Ethyl Benzene	12.53	91	2179845	90.797	ug/l	99
68) m/p-Xylenes	12.67	106	1619394	176.346	ug/l	98
69) o-Xylene	13.05	106	731625	83.714	ug/l	100
70) Styrene	13.07	104	1200678	79.392	ug/l	97
71) Bromoform	13.24	173	385400	95.657	ug/l	98
73) Isopropylbenzene	13.41	105	2185721	99.812	ug/l	97
74) N-amyl acetate	13.27	43	598129	100.421	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	448273	94.966	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	445982	97.803	ug/l	98
77) Bromobenzene	13.67	156	664978	103.137	ug/l	92
78) n-propylbenzene	13.78	91	2410096	92.714	ug/l	96
79) 2-Chlorotoluene	13.84	91	1464185	94.251	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1722300	93.961	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	143558	106.477	ug/l	98
82) 4-Chlorotoluene	13.95	91	1611317	92.054	ug/l	93
83) tert-Butylbenzene	14.19	119	2060045	99.006	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1702645	94.715	ug/l	98
85) sec-Butylbenzene	14.37	105	2056631	91.831	ug/l	97
86) p-Isopropyltoluene	14.49	119	1765000	86.078	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	1111631	95.341	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	937533	85.284	ug/l	98
89) n-Butylbenzene	14.80	91	1543567	82.729	ug/l	96
90) Hexachloroethane	15.01	117	538529	94.040	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	807908	80.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	67131	106.715	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	519640	103.663	ug/l	96
94) Hexachlorobutadiene	16.04	225	402538	110.311	ug/l	98
95) Naphthalene	16.12	128	841542	104.555	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	304529	109.210	ug/l	98

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

