

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061295.D
 Acq On : 25 Mar 2019 10:51
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 26 02:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	717123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1140134	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1022601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	439702	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	32079	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
35) Dibromofluoromethane	6.94	113	46970	5.38	ug/l	0.00
Spiked Amount			Recovery	=	10.76%	
50) Toluene-d8	10.42	98	114923	5.43	ug/l	0.00
Spiked Amount			Recovery	=	10.86%	
62) 4-Bromofluorobenzene	13.56	95	45334	5.49	ug/l	0.00
Spiked Amount			Recovery	=	10.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	43736	5.962	ug/l	91
3) Chloromethane	1.78	50	33353	5.829	ug/l	93
4) Vinyl Chloride	1.88	62	30505	5.702	ug/l	97
5) Bromomethane	2.17	94	7869	7.105	ug/l	85
6) Chloroethane	2.29	64	9891	5.875	ug/l #	88
7) Trichlorofluoromethane	2.55	101	48715	6.151	ug/l	95
8) Diethyl Ether	2.89	74	12406	5.275	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.17	101	48860	6.069	ug/l	96
10) Methyl Iodide	3.33	142	43498	3.867	ug/l	99
11) Tert butyl alcohol	4.08	59	8150	24.739	ug/l #	77
12) 1,1-Dichloroethene	3.16	96	41230	5.952	ug/l	98
13) Acrolein	3.06	56	7271	20.136	ug/l #	80
14) Allyl chloride	3.64	41	57614	5.873	ug/l	99
15) Acrylonitrile	4.21	53	31035	26.787	ug/l	92
16) Acetone	3.24	43	35380	23.878	ug/l	94
17) Carbon Disulfide	3.40	76	133928	5.817	ug/l	96
18) Methyl Acetate	3.66	43	16255	5.809	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	66577	5.454	ug/l	99
20) Methylene Chloride	3.83	84	57929	6.894	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	44268	5.710	ug/l	98
22) Diisopropyl ether	5.13	45	116087	5.618	ug/l	93
23) Vinyl Acetate	5.07	43	301274	27.311	ug/l	99
24) 1,1-Dichloroethane	5.01	63	68462	5.677	ug/l	96
25) 2-Butanone	6.08	43	42460	24.799	ug/l	95
26) 2,2-Dichloropropane	6.04	77	60807	5.945	ug/l	96
27) cis-1,2-Dichloroethene	6.06	96	46992	5.636	ug/l	95
28) Bromochloromethane	6.45	49	22358	4.429	ug/l	89
29) Tetrahydrofuran	6.46	42	23351	27.400	ug/l	96
30) Chloroform	6.68	83	72275	5.621	ug/l	96
31) Cyclohexane	6.96	56	54348	5.552	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	64584	5.672	ug/l	97
36) 1,1-Dichloropropene	7.16	75	58338	6.256	ug/l	96
37) Ethyl Acetate	6.20	43	22485	5.790	ug/l #	96
38) Carbon Tetrachloride	7.12	117	65056	5.903	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	58060	6.007	ug/l	95
40) Benzene	7.47	78	132152	5.701	ug/l	97
41) Methacrylonitrile	6.46	41	25630	5.660	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	42001	5.814	ug/l	95
43) Isopropyl Acetate	9.25	43	28939	5.151	ug/l #	100
44) Trichloroethene	8.55	130	50192	5.991	ug/l	94
45) 1,2-Dichloropropane	8.94	63	31661	5.537	ug/l	96
46) Dibromomethane	9.07	93	22179	5.657	ug/l	89
47) Bromodichloromethane	9.39	83	53599	5.834	ug/l	96
48) Methyl methacrylate	9.13	41	15791	5.266	ug/l	96
49) 1,4-Dioxane	9.09	88	2923	88.848	ug/l #	55
51) 4-Methyl-2-Pentanone	10.30	43	95535	28.567	ug/l	98
52) Toluene	10.52	92	87882	6.200	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	46260	5.794	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	57123	5.860	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	25994	5.523	ug/l	94
56) Ethyl methacrylate	11.04	69	26975	5.372	ug/l	99
57) 1,3-Dichloropropane	11.41	76	37844	5.325	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	57460	21.994	ug/l	98
59) 2-Hexanone	11.53	43	61689	25.398	ug/l	99
60) Dibromochloromethane	11.69	129	40920	5.551	ug/l	93
61) 1,2-Dibromoethane	11.81	107	28673	5.214	ug/l	98
64) Tetrachloroethene	11.27	164	40318	5.723	ug/l	97
65) Chlorobenzene	12.40	112	103737	5.508	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.52	131	38521	5.275	ug/l	96
67) Ethyl Benzene	12.53	91	170235	5.906	ug/l	98
68) m/p-Xylenes	12.67	106	136448	12.126	ug/l	94
69) o-Xylene	13.05	106	60749	5.821	ug/l	98
70) Styrene	13.08	104	102390	5.781	ug/l	94
71) Bromoform	13.24	173	22295	4.989	ug/l #	98
73) Isopropylbenzene	13.40	105	185234	6.477	ug/l	97
74) N-amyl acetate	13.27	43	40142	5.365	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	28450	5.130	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	28352	5.185	ug/l	93
77) Bromobenzene	13.67	156	45064	5.641	ug/l	96
78) n-propylbenzene	13.78	91	196228	6.082	ug/l	94
79) 2-Chlorotoluene	13.84	91	121017	6.455	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	133307	5.909	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	8533	4.945	ug/l	96
82) 4-Chlorotoluene	13.94	91	125335	6.103	ug/l	97
83) tert-Butylbenzene	14.19	119	151695	5.889	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	133307	5.909	ug/l	96
85) sec-Butylbenzene	14.37	105	171607	5.982	ug/l	95
86) p-Isopropyltoluene	14.50	119	156263	6.105	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	85712	6.053	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	83698	6.102	ug/l	97
89) n-Butylbenzene	14.80	91	141790	6.240	ug/l	96
90) Hexachloroethane	15.01	117	36255	5.283	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	71928	6.366	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3171	4.576	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	28109	5.387	ug/l	95
94) Hexachlorobutadiene	16.04	225	22485	5.347	ug/l	95
95) Naphthalene	16.12	128	39105	5.137	ug/l	95
96) 1,2,3-Trichlorobenzene	16.27	180	12622	5.179	ug/l	94

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

