

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060792.D
 Acq On : 28 Jan 2019 15:42
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:31 PM

Quant Time: Jan 29 13:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	562560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	833391	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	671485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	343704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	92264	10.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.40%	
35) Dibromofluoromethane	6.68	113	78457	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	
50) Toluene-d8	10.19	98	188517	10.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.20%	
62) 4-Bromofluorobenzene	13.36	95	95572	10.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	59092	8.639	ug/l	94
3) Chloromethane	1.77	50	39426	9.628	ug/l #	85
4) Vinyl Chloride	1.86	62	41210	9.481	ug/l #	89
5) Bromomethane	2.15	94	13826	9.472	ug/l	91
6) Chloroethane	2.25	64	16380	10.470	ug/l #	86
7) Trichlorofluoromethane	2.50	101	85704	10.016	ug/l	86
8) Diethyl Ether	2.80	74	12017	9.531	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.07	101	41668	9.609	ug/l	94
10) Methyl Iodide	3.22	142	38597	8.501	ug/l	92
11) Tert butyl alcohol	3.92	59	19913	48.314	ug/l	98
12) 1,1-Dichloroethene	3.05	96	28550	9.634	ug/l	95
13) Acrolein	2.97	56	10774	64.388	ug/l #	72
14) Allyl chloride	3.51	41	63685	9.235	ug/l	97
15) Acrylonitrile	4.06	53	48739	52.777	ug/l	94
16) Acetone	3.13	43	57379	46.240	ug/l	99
17) Carbon Disulfide	3.30	76	103377	9.848	ug/l	100
18) Methyl Acetate	3.53	43	21689	8.783	ug/l	97
19) Methyl tert-butyl Ether	4.08	73	130939	9.679	ug/l	98
20) Methylene Chloride	3.69	84	67510	10.632	ug/l	95
21) trans-1,2-Dichloroethene	4.06	96	54763	10.483	ug/l	94
22) Diisopropyl ether	4.90	45	173475	9.762	ug/l	94
23) Vinyl Acetate	4.84	43	515263	50.350	ug/l	100
24) 1,1-Dichloroethane	4.77	63	118896	10.220	ug/l	97
25) 2-Butanone	5.85	43	77312	48.490	ug/l	94
26) 2,2-Dichloropropane	5.80	77	119528	9.751	ug/l	97
27) cis-1,2-Dichloroethene	5.80	96	57006	9.581	ug/l	91
28) Bromochloromethane	6.21	49	45014	9.919	ug/l	88
29) Tetrahydrofuran	6.23	42	38330	50.061	ug/l	97
30) Chloroform	6.43	83	134398	9.774	ug/l	95
31) Cyclohexane	6.72	56	75366	9.522	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	129609	9.788	ug/l	93
36) 1,1-Dichloropropene	6.91	75	98729	9.922	ug/l	98
37) Ethyl Acetate	5.96	43	42672	9.607	ug/l #	94
38) Carbon Tetrachloride	6.88	117	115520	9.258	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	78364	9.404	ug/l	96
40) Benzene	7.22	78	180792	9.206	ug/l	100
41) Methacrylonitrile	6.22	41	23490m	8.042	ug/l	
42) 1,2-Dichloroethane	7.34	62	108596	9.518	ug/l	97
43) Isopropyl Acetate	9.01	43	49623	8.566	ug/l #	87
44) Trichloroethene	8.31	130	59553	8.945	ug/l	93
45) 1,2-Dichloropropane	8.71	63	49360	9.285	ug/l	92
46) Dibromomethane	8.83	93	37788	9.156	ug/l	99
47) Bromodichloromethane	9.14	83	95678	8.589	ug/l	99
48) Methyl methacrylate	8.89	41	35381	8.856	ug/l	97
49) 1,4-Dioxane	8.86	88	5054	163.172	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	163968	43.705	ug/l	99
52) Toluene	10.29	92	121846	9.781	ug/l	94
53) t-1,3-Dichloropropene	10.69	75	95062	9.702	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	91065	9.063	ug/l	97
55) 1,1,2-Trichloroethane	10.98	97	40175	9.459	ug/l	93
56) Ethyl methacrylate	10.83	69	48925	9.509	ug/l	91
57) 1,3-Dichloropropane	11.19	76	68375	9.420	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	137437	50.910	ug/l	99
59) 2-Hexanone	11.32	43	139062	49.297	ug/l	95
60) Dibromochloromethane	11.47	129	71506	9.365	ug/l	99
61) 1,2-Dibromoethane	11.60	107	48662	9.728	ug/l	98
64) Tetrachloroethene	11.03	164	59087	9.588	ug/l	98
65) Chlorobenzene	12.19	112	149317	9.731	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	65012	9.861	ug/l	93
67) Ethyl Benzene	12.31	91	274328	9.942	ug/l	100
68) m/p-Xylenes	12.46	106	171300	19.082	ug/l	98
69) o-Xylene	12.85	106	88632	9.975	ug/l	94
70) Styrene	12.87	104	147975	9.931	ug/l	100
71) Bromoform	13.03	173	42302	8.516	ug/l	99
73) Isopropylbenzene	13.20	105	271770	9.917	ug/l	98
74) N-amyl acetate	13.06	43	75986	9.020	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	43610	8.740	ug/l	94
76) 1,2,3-Trichloropropane	13.54	75	58091	9.217	ug/l	98
77) Bromobenzene	13.47	156	69275	9.834	ug/l	92
78) n-propylbenzene	13.57	91	324825	9.442	ug/l	99
79) 2-Chlorotoluene	13.64	91	198947	9.482	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	220770	9.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	14031	8.539	ug/l	94
82) 4-Chlorotoluene	13.74	91	213880	9.171	ug/l	88
83) tert-Butylbenzene	13.99	119	222733	9.024	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	220770	9.358	ug/l	100
85) sec-Butylbenzene	14.17	105	280491	9.983	ug/l	97
86) p-Isopropyltoluene	14.29	119	234656	10.287	ug/l	96
87) 1,3-Dichlorobenzene	14.25	146	119209	9.461	ug/l	97
88) 1,4-Dichlorobenzene	14.34	146	121560	9.930	ug/l	99
89) n-Butylbenzene	14.60	91	239138	10.048	ug/l	98
90) Hexachloroethane	14.81	117	64949	9.568	ug/l	98
91) 1,2-Dichlorobenzene	14.61	146	104446	9.987	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	10044	8.473	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	87649	9.679	ug/l	97
94) Hexachlorobutadiene	15.84	225	64577	9.504	ug/l	97
95) Naphthalene	15.93	128	114299	8.215	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	77855	9.887	ug/l	95

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

