

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060756.D
 Acq On : 18 Jan 2019 11:54
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 19 03:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1370570	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.97	114	1990594	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1560411	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	768293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	322783	34.08	ug/l	0.01
Spiked Amount			Recovery	=	68.16%	
35) Dibromofluoromethane	6.67	113	335392	23.02	ug/l	0.01
Spiked Amount			Recovery	=	46.04%	
50) Toluene-d8	10.18	98	874753	20.12	ug/l	0.01
Spiked Amount			Recovery	=	40.24%	
62) 4-Bromofluorobenzene	13.35	95	387598	25.46	ug/l	0.01
Spiked Amount			Recovery	=	50.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	233680	13.344	ug/l	94
3) Chloromethane	1.76	50	173338	10.755	ug/l	94
4) Vinyl Chloride	1.84	62	171908	13.435	ug/l	97
5) Bromomethane	2.13	94	30223	10.544	ug/l	98
6) Chloroethane	2.23	64	29636	7.761	ug/l #	77
7) Trichlorofluoromethane	2.48	101	245535	17.251	ug/l	92
8) Diethyl Ether	2.81	74	40529	17.020	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.05	101	147263	15.951	ug/l	95
10) Methyl Iodide	3.21	142	160729	16.566	ug/l #	78
11) Tert butyl alcohol	3.93	59	83286	210.403	ug/l	98
12) 1,1-Dichloroethene	3.04	96	106160	13.995	ug/l #	68
13) Acrolein	2.96	56	44568	110.487	ug/l	95
14) Allyl chloride	3.49	41	238423	17.129	ug/l #	75
15) Acrylonitrile	4.04	53	274395	119.401	ug/l	97
16) Acetone	3.13	43	188751	114.112	ug/l	94
17) Carbon Disulfide	3.28	76	390509	16.119	ug/l	99
18) Methyl Acetate	3.51	43	79779	19.461	ug/l	99
19) Methyl tert-butyl Ether	4.08	73	615628	31.988	ug/l	97
20) Methylene Chloride	3.67	84	296103	17.237	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	276790	17.817	ug/l #	80
22) Diisopropyl ether	4.88	45	973530	20.599	ug/l	91
23) Vinyl Acetate	4.82	43	2727011	119.268	ug/l	99
24) 1,1-Dichloroethane	4.76	63	540492	21.743	ug/l	99
25) 2-Butanone	5.83	43	413234	130.555	ug/l	94
26) 2,2-Dichloropropane	5.78	77	500565	25.510	ug/l	89
27) cis-1,2-Dichloroethene	5.79	96	296599	18.807	ug/l	73
28) Bromochloromethane	6.20	49	231394	22.034	ug/l	99
29) Tetrahydrofuran	6.23	42	213680	119.084	ug/l #	87
30) Chloroform	6.42	83	569613	22.772	ug/l	97
31) Cyclohexane	6.71	56	492954	20.606	ug/l	93
32) 1,1,1-Trichloroethane	6.63	97	483502	23.364	ug/l #	91
36) 1,1-Dichloropropene	6.90	75	420341	20.507	ug/l	93
37) Ethyl Acetate	5.94	43	200257	23.360	ug/l #	92
38) Carbon Tetrachloride	6.87	117	429392	23.745	ug/l	99

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39) Methylcyclohexane	8.62	83	417785	17.871	ug/l	89
40) Benzene	7.21	78	1004258	18.967	ug/l	95
41) Methacrylonitrile	6.20	41	98839m	20.844	ug/l	
42) 1,2-Dichloroethane	7.33	62	413273	31.453	ug/l	91
43) Isopropyl Acetate	9.01	43	287399	26.125	ug/l	96
44) Trichloroethene	8.30	130	313546	20.008	ug/l	98
45) 1,2-Dichloropropane	8.70	63	269584	20.762	ug/l	94
46) Dibromomethane	8.82	93	178778	24.124	ug/l	89
47) Bromodichloromethane	9.14	83	426065	24.274	ug/l	97
48) Methyl methacrylate	8.89	41	177893	26.624	ug/l	91
49) 1,4-Dioxane	8.85	88	33261	535.382	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	902375	133.882	ug/l	97
52) Toluene	10.28	92	644026	19.403	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	420487	28.715	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	445228	23.229	ug/l	94
55) 1,1,2-Trichloroethane	10.97	97	193387	21.654	ug/l	98
56) Ethyl methacrylate	10.82	69	265816	32.045	ug/l	92
57) 1,3-Dichloropropane	11.19	76	350740	24.778	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	657489	134.521	ug/l	93
59) 2-Hexanone	11.32	43	679925	144.119	ug/l	97
60) Dibromochloromethane	11.47	129	291329	25.610	ug/l	96
61) 1,2-Dibromoethane	11.59	107	212507	22.941	ug/l	96
64) Tetrachloroethene	11.04	164	268652	18.995	ug/l	94
65) Chlorobenzene	12.19	112	695837	20.184	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.31	131	270454	24.399	ug/l	92
67) Ethyl Benzene	12.32	91	1216677	20.607	ug/l	96
68) m/p-Xylenes	12.46	106	883819	40.961	ug/l	84
69) o-Xylene	12.85	106	417229	20.382	ug/l	82
70) Styrene	12.87	104	716007	21.717	ug/l #	91
71) Bromoform	13.03	173	202524	27.679	ug/l #	96
73) Isopropylbenzene	13.20	105	1182288	21.613	ug/l	99
74) N-amyl acetate	13.06	43	395246	30.615	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.50	83	236389	26.661	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	273464	31.264	ug/l	93
77) Bromobenzene	13.47	156	305921	21.183	ug/l	90
78) n-propylbenzene	13.58	91	1502383	21.483	ug/l	100
79) 2-Chlorotoluene	13.63	91	846982	22.612	ug/l	92
80) 1,3,5-Trimethylbenzene	14.04	105	948966	22.466	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.27	75	79322	32.819	ug/l	88
82) 4-Chlorotoluene	13.74	91	1001452	23.589	ug/l	94
83) tert-Butylbenzene	13.99	119	1023693	21.295	ug/l	86
84) 1,2,4-Trimethylbenzene	14.04	105	948966	21.813	ug/l	98
85) sec-Butylbenzene	14.17	105	1241420	21.176	ug/l	99
86) p-Isopropyltoluene	14.29	119	1051275	22.215	ug/l	95
87) 1,3-Dichlorobenzene	14.25	146	562990	21.236	ug/l	95
88) 1,4-Dichlorobenzene	14.33	146	512191	19.606	ug/l	93
89) n-Butylbenzene	14.60	91	1016587	21.022	ug/l	98
90) Hexachloroethane	14.81	117	276959	23.823	ug/l	83
91) 1,2-Dichlorobenzene	14.61	146	486692	22.885	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	43479	41.741	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	385591	22.786	ug/l	97
94) Hexachlorobutadiene	15.84	225	249668	19.960	ug/l	98
95) Naphthalene	15.93	128	593083	29.488	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	322875	24.408	ug/l	98

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

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