

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060286.D
 Acq On : 6 Nov 2018 12:03
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 11/7/2018 1:59:33 PM

Quant Time: Nov 06 13:53:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:45:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1531802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2087453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1670104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	831124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	208734	19.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.54%	
35) Dibromofluoromethane	6.34	113	305616	19.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.76%	
50) Toluene-d8	9.47	98	909435	20.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.88%	
62) 4-Bromofluorobenzene	12.43	95	327100	20.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.59	85	309858	23.228	ug/l	98
3) Chloromethane	1.76	50	316505	22.820	ug/l	97
4) Vinyl Chloride	1.85	62	254925	21.864	ug/l	99
5) Bromomethane	2.15	94	44705m	13.960	ug/l	
6) Chloroethane	2.27	64	75018	17.884	ug/l	95
7) Trichlorofluoromethane	2.51	101	289950	19.976	ug/l	96
8) Diethyl Ether	2.84	74	51188	18.633	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.09	101	194072	20.787	ug/l	99
10) Methyl Iodide	3.25	142	253622	28.023	ug/l	99
11) Tert butyl alcohol	3.98	59	39262	83.801	ug/l #	91
12) 1,1-Dichloroethene	3.08	96	152958	19.823	ug/l	95
13) Acrolein	2.99	56	52429	90.237	ug/l	99
14) Allyl chloride	3.54	41	299135	20.401	ug/l	99
15) Acrylonitrile	4.10	53	260697	101.490	ug/l	94
16) Acetone	3.17	43	186396	93.808	ug/l	99
17) Carbon Disulfide	3.32	76	509946	20.366	ug/l	97
18) Methyl Acetate	3.56	43	79891	19.649	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	446097	20.545	ug/l	99
20) Methylene Chloride	3.73	84	334197	17.690	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	341893	20.791	ug/l	98
22) Diisopropyl ether	4.86	45	1074631	20.133	ug/l	99
23) Vinyl Acetate	4.81	43	2670627	100.451	ug/l	98
24) 1,1-Dichloroethane	4.76	63	559789	20.778	ug/l	99
25) 2-Butanone	5.63	43	390855	103.550	ug/l	99
26) 2,2-Dichloropropane	5.60	77	434020	20.519	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	355948	20.830	ug/l	93
28) Bromochloromethane	5.94	49	234631	19.577	ug/l	97
29) Tetrahydrofuran	5.97	42	199922	100.748	ug/l	99
30) Chloroform	6.11	83	550250	20.236	ug/l	99
31) Cyclohexane	6.38	56	531125	20.894	ug/l	95
32) 1,1,1-Trichloroethane	6.30	97	468460	20.895	ug/l	98
36) 1,1-Dichloropropene	6.54	75	434631	21.538	ug/l	98
37) Ethyl Acetate	5.71	43	185677	20.616	ug/l	98
38) Carbon Tetrachloride	6.52	117	397024	21.588	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	498762	21.981	ug/l	100
40) Benzene	6.80	78	1095891	21.046	ug/l	99
41) Methacrylonitrile	5.97	41	218143	36.660	ug/l #	92
42) 1,2-Dichloroethane	6.91	62	276740	20.503	ug/l	98
43) Isopropyl Acetate	8.36	43	226494	19.483	ug/l #	97
44) Trichloroethene	7.76	130	331397	20.825	ug/l	98
45) 1,2-Dichloropropane	8.11	63	274550	21.139	ug/l	96
46) Dibromomethane	8.23	93	154542	20.751	ug/l	99
47) Bromodichloromethane	8.50	83	377022	21.033	ug/l	100
48) Methyl methacrylate	8.26	41	142484	20.456	ug/l	96
49) 1,4-Dioxane	8.24	88	24426	391.693	ug/l	89
51) 4-Methyl-2-Pentanone	9.35	43	765086	104.271	ug/l	100
52) Toluene	9.57	92	703869	21.362	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	314699	21.162	ug/l	96
54) cis-1,3-Dichloropropene	9.11	75	402380	20.737	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	192402	20.873	ug/l	97
56) Ethyl methacrylate	10.05	69	179404	20.475	ug/l	99
57) 1,3-Dichloropropane	10.39	76	299634	21.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	568655	109.768	ug/l	100
59) 2-Hexanone	10.50	43	562598	104.107	ug/l	99
60) Dibromochloromethane	10.65	129	236919	20.276	ug/l	97
61) 1,2-Dibromoethane	10.77	107	191462	20.472	ug/l	95
64) Tetrachloroethene	10.27	164	310701	21.231	ug/l	96
65) Chlorobenzene	11.32	112	750656	20.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	247844	20.989	ug/l	94
67) Ethyl Benzene	11.44	91	1333544	21.823	ug/l	98
68) m/p-Xylenes	11.57	106	977578	43.340	ug/l	96
69) o-Xylene	11.94	106	458770	20.933	ug/l	97
70) Styrene	11.97	104	737295	20.891	ug/l	100
71) Bromoform	12.13	173	152638	20.168	ug/l	99
73) Isopropylbenzene	12.28	105	1288926	21.990	ug/l	100
74) N-amyl acetate	12.15	43	313110	21.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	196557	20.779	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	194379	20.600	ug/l	100
77) Bromobenzene	12.55	156	337764	21.576	ug/l	99
78) n-propylbenzene	12.65	91	1636841	22.212	ug/l	99
79) 2-Chlorotoluene	12.72	91	886808	21.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1006476	22.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	54732	21.490	ug/l	97
82) 4-Chlorotoluene	12.81	91	986265	21.738	ug/l	99
83) tert-Butylbenzene	13.05	119	1113961	22.000	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	1019457	22.055	ug/l	99
85) sec-Butylbenzene	13.23	105	1366520	22.124	ug/l	99
86) p-Isopropyltoluene	13.35	119	1109953	22.611	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	599844	21.465	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	566056	20.770	ug/l	96
89) n-Butylbenzene	13.65	91	1185395	23.580	ug/l	96
90) Hexachloroethane	13.87	117	251485	21.040	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	504642	22.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	22149	19.085	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	380924	21.544	ug/l	97
94) Hexachlorobutadiene	14.89	225	298261	22.841	ug/l	98
95) Naphthalene	14.98	128	460308	20.926	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	305244	21.382	ug/l	96

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

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