

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003725.D
 Acq On : 30 Jul 2018 15:59
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 1:39:48 PM

Quant Time: Jul 31 11:13:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:23:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	104327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	146363	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	127123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	68924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	5074	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
35) Dibromofluoromethane	5.50	113	4239	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	8.71	98	18971	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
62) 4-Bromofluorobenzene	11.14	95	7018	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	4973	5.65	ug/l	91
3) Chloromethane	1.32	50	5989	5.41	ug/l	98
4) Vinyl Chloride	1.40	62	6575	5.52	ug/l #	88
5) Bromomethane	1.64	94	4381	6.11	ug/l	89
6) Chloroethane	1.71	64	4269m	5.09	ug/l	
7) Trichlorofluoromethane	1.92	101	8939	8.29	ug/l	92
8) Diethyl Ether	2.19	74	2969	5.03	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5564	5.62	ug/l	95
10) Methyl Iodide	2.51	142	5220	4.58	ug/l	99
11) Tert butyl alcohol	3.07	59	4453	26.06	ug/l	99
12) 1,1-Dichloroethene	2.37	96	5174	5.13	ug/l	93
13) Acrolein	2.29	56	1852	33.13	ug/l	97
14) Allyl chloride	2.72	41	8283	5.01	ug/l	97
15) Acrylonitrile	3.15	53	10744	24.73	ug/l	97
16) Acetone	2.45	43	10360	25.71	ug/l	96
17) Carbon Disulfide	2.57	76	18461	6.08	ug/l	98
18) Methyl Acetate	2.78	43	5939	5.24	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	11072	4.36	ug/l	92
20) Methylene Chloride	2.86	84	8888	7.19	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	5733	5.61	ug/l	98
22) Diisopropyl ether	3.87	45	14208	4.76	ug/l	95
23) Vinyl Acetate	3.82	43	45191	21.00	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9103	5.23	ug/l	96
25) 2-Butanone	4.70	43	13664	23.26	ug/l	97
26) 2,2-Dichloropropane	4.59	77	7133	5.20	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	5845	5.31	ug/l	89
28) Bromochloromethane	5.02	49	3858	4.94	ug/l #	94
29) Tetrahydrofuran	5.15	42	8635	23.06	ug/l	97
30) Chloroform	5.21	83	8624	5.03	ug/l	89
31) Cyclohexane	5.57	56	8764	5.21	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	7219	4.90	ug/l	98
36) 1,1-Dichloropropene	5.79	75	7672	5.60	ug/l	98
37) Ethyl Acetate	4.85	43	4823	4.58	ug/l	98
38) Carbon Tetrachloride	5.78	117	6778	5.35	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8985	5.34	ug/l	97
40) Benzene	6.15	78	19556	4.98	ug/l	98
41) Methacrylonitrile	5.05	41	2725	4.59	ug/l	95
42) 1,2-Dichloroethane	6.20	62	5477	4.62	ug/l	98
43) Isopropyl Acetate	6.46	43	7050	4.20	ug/l	98
44) Trichloroethene	7.21	130	6390	5.70	ug/l	94
45) 1,2-Dichloropropane	7.52	63	4540	4.70	ug/l	94
46) Dibromomethane	7.66	93	2668	4.79	ug/l	97
47) Bromodichloromethane	7.90	83	4922	4.44	ug/l	97
48) Methyl methacrylate	7.77	41	3436	4.08	ug/l	98
49) 1,4-Dioxane	7.76	88	1541	90.73	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	21125	20.49	ug/l	97
52) Toluene	8.79	92	12588	5.14	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	5492	4.33	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	6096	4.32	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	3754	4.45	ug/l	97
56) Ethyl methacrylate	9.18	69	4605	3.98	ug/l	99
57) 1,3-Dichloropropane	9.37	76	6447	4.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	11444	20.65	ug/l	98
59) 2-Hexanone	9.50	43	15912	20.26	ug/l	97
60) Dibromochloromethane	9.59	129	3487	4.11	ug/l	100
61) 1,2-Dibromoethane	9.68	107	3824	4.44	ug/l	97
64) Tetrachloroethene	9.34	164	5662	5.67	ug/l	98
65) Chlorobenzene	10.14	112	14095	5.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	4043	4.67	ug/l	97
67) Ethyl Benzene	10.26	91	23180	5.17	ug/l	100
68) m/p-Xylenes	10.36	106	17814	10.15	ug/l	97
69) o-Xylene	10.70	106	7852	4.82	ug/l	95
70) Styrene	10.71	104	12527	4.57	ug/l	98
71) Bromoform	10.86	173	2380	4.00	ug/l #	92
73) Isopropylbenzene	11.02	105	22946	5.32	ug/l	99
74) N-amyl acetate	6.46	43	7050	5.14	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	5252	4.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4442m	4.68	ug/l	
77) Bromobenzene	11.26	156	5830	5.18	ug/l	98
78) n-propylbenzene	11.36	91	28564	5.46	ug/l	98
79) 2-Chlorotoluene	11.42	91	16132	5.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	19189	4.56	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.08	75	1306	4.07	ug/l	93
82) 4-Chlorotoluene	11.51	91	19663	5.46	ug/l	100
83) tert-Butylbenzene	11.77	119	18686	5.13	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	19718	5.20	ug/l	98
85) sec-Butylbenzene	11.95	105	24935	5.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	22323	5.97	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	12521	5.50	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	13069	5.63	ug/l	95
89) n-Butylbenzene	12.39	91	21311	5.29	ug/l	99
90) Hexachloroethane	12.60	117	3168	5.04	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	10997	5.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	916	4.12	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	8458	5.03	ug/l	98
94) Hexachlorobutadiene	13.79	225	5740	5.34	ug/l	98
95) Naphthalene	13.83	128	15089	4.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	7139	4.68	ug/l	97

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

