

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003738.D
 Acq On : 30 Jul 2018 22:17
 Operator : JC/SP
 Sample : MDL06
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:52 AM

Quant Time: Jul 31 12:13:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	89045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	139999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71471	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	51344	57.01	ug/l	0.00
Spiked Amount			Recovery	=	114.02%	
35) Dibromofluoromethane	5.51	113	42730	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	8.72	98	172926	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.14	95	61365	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1888	2.51	ug/l	97
3) Chloromethane	1.32	50	2442	2.58	ug/l	96
4) Vinyl Chloride	1.40	62	2390	2.35	ug/l #	87
5) Bromomethane	1.64	94	2163	2.00	ug/l	99
6) Chloroethane	1.72	64	1785	2.66	ug/l	97
7) Trichlorofluoromethane	1.93	101	3372	2.53	ug/l	91
8) Diethyl Ether	2.19	74	1334	2.65	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2223	2.63	ug/l	94
10) Methyl Iodide	2.51	142	1255	1.29	ug/l	96
11) Tert butyl alcohol	3.06	59	2060m	14.13	ug/l	
12) 1,1-Dichloroethene	2.37	96	1971	2.48	ug/l	97
13) Acrolein	2.29	56	794	16.64	ug/l	83
14) Allyl chloride	2.73	41	3756	2.66	ug/l	95
15) Acrylonitrile	3.15	53	4300	11.59	ug/l	97
16) Acetone	2.45	43	5492	15.97	ug/l	93
17) Carbon Disulfide	2.57	76	6761	2.61	ug/l	99
18) Methyl Acetate	2.78	43	2913	3.01	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	4912	2.27	ug/l	94
20) Methylene Chloride	2.85	84	4048	1.37	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	2022	2.32	ug/l	90
22) Diisopropyl ether	3.87	45	5528	2.17	ug/l	91
23) Vinyl Acetate	3.82	43	18076	9.84	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3387	2.28	ug/l #	94
25) 2-Butanone	4.70	43	6223	12.41	ug/l	96
26) 2,2-Dichloropropane	4.59	77	2463	2.11	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2068	2.20	ug/l	81
28) Bromochloromethane	5.03	49	1637	2.46	ug/l #	90
29) Tetrahydrofuran	5.17	42	3787	11.85	ug/l	94
30) Chloroform	5.22	83	3361	2.30	ug/l	95
31) Cyclohexane	5.58	56	3184	2.22	ug/l #	84
32) 1,1,1-Trichloroethane	5.49	97	2750	2.19	ug/l	95
36) 1,1-Dichloropropene	5.81	75	2715	2.07	ug/l	99
37) Ethyl Acetate	4.85	43	2344	2.33	ug/l #	75
38) Carbon Tetrachloride	5.79	117	2325	1.92	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3381	2.10	ug/l	96
40) Benzene	6.15	78	8185	2.18	ug/l	96
41) Methacrylonitrile	5.07	41	1280	2.25	ug/l	90
42) 1,2-Dichloroethane	6.20	62	2612	2.30	ug/l	94
43) Isopropyl Acetate	6.46	43	3301	2.06	ug/l	97
44) Trichloroethene	7.22	130	2280	2.13	ug/l	90
45) 1,2-Dichloropropane	7.52	63	1940	2.10	ug/l	99
46) Dibromomethane	7.67	93	1134	2.13	ug/l	92
47) Bromodichloromethane	7.90	83	2030	1.91	ug/l #	99
48) Methyl methacrylate	7.78	41	1654	2.05	ug/l	96
49) 1,4-Dioxane	7.76	88	661	40.69	ug/l	91
51) 4-Methyl-2-Pentanone	8.65	43	9933	10.07	ug/l	96
52) Toluene	8.79	92	4928	2.10	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	2214	1.83	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	2434	1.80	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	1666	2.07	ug/l	95
56) Ethyl methacrylate	9.18	69	1940	1.75	ug/l #	86
57) 1,3-Dichloropropane	9.37	76	2982	2.20	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	5025	24.10	ug/l	95
59) 2-Hexanone	9.50	43	7557	10.06	ug/l	91
60) Dibromochloromethane	9.59	129	1458	1.79	ug/l	99
61) 1,2-Dibromoethane	9.68	107	1628	1.98	ug/l	94
64) Tetrachloroethene	9.34	164	2501	2.36	ug/l	97
65) Chlorobenzene	10.14	112	6022	2.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	1656	1.80	ug/l #	66
67) Ethyl Benzene	10.26	91	9138	1.92	ug/l	95
68) m/p-Xylenes	10.36	106	6603	3.54	ug/l	96
69) o-Xylene	10.70	106	3063	1.77	ug/l	98
70) Styrene	10.71	104	4715	1.62	ug/l	96
71) Bromoform	10.86	173	1070	1.69	ug/l #	91
73) Isopropylbenzene	11.02	105	8265	1.85	ug/l	99
74) N-amyl acetate	6.46	43	3301	2.08	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.27	83	2319	1.99	ug/l	96
76) 1,2,3-Trichloropropane	11.30	75	2021m	2.05	ug/l	
77) Bromobenzene	11.26	156	2477	2.12	ug/l	95
78) n-propylbenzene	11.36	91	10938	2.02	ug/l	100
79) 2-Chlorotoluene	11.43	91	6374	2.07	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	7863	2.06	ug/l #	70
81) trans-1,4-Dichloro-2-buten	11.08	75	566m	1.70	ug/l	
82) 4-Chlorotoluene	11.51	91	7826	2.10	ug/l	98
83) tert-Butylbenzene	11.77	119	6743	1.79	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	7530	1.92	ug/l	98
85) sec-Butylbenzene	11.95	105	9381	1.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	8479	1.93	ug/l	74
87) 1,3-Dichlorobenzene	12.03	146	5062	2.15	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	5279	2.19	ug/l	86
89) n-Butylbenzene	12.39	91	8389	2.01	ug/l	97
90) Hexachloroethane	12.60	117	1252	1.92	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	4520	2.06	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	484	2.10	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	3605	2.07	ug/l	98
94) Hexachlorobutadiene	13.79	225	2576	2.31	ug/l	97
95) Naphthalene	13.83	128	7547	2.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	3516	2.22	ug/l	96

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

