

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012018.D
 Acq On : 03 Sep 2019 12:45
 Operator : SY/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

sam
 9/4/2019 4:45:38 PM

Quant Time: Sep 03 14:42:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 14:34:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	10332	7.95	ug/l	0.00
Spiked Amount			Recovery	=	15.90%	
35) Dibromofluoromethane	5.48	113	7812	4.41	ug/l	0.00
Spiked Amount			Recovery	=	8.82%	
50) Toluene-d8	8.71	98	32583	5.22	ug/l	0.00
Spiked Amount			Recovery	=	10.44%	
62) 4-Bromofluorobenzene	11.14	95	14860	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	6972	7.858	ug/l	94
3) Chloromethane	1.31	50	6649	7.540	ug/l	97
4) Vinyl Chloride	1.40	62	6247	6.974	ug/l	92
5) Bromomethane	1.62	94	3607	5.679	ug/l	95
6) Chloroethane	1.71	64	4055	7.157	ug/l	98
7) Trichlorofluoromethane	1.92	101	9856	6.061	ug/l	98
8) Diethyl Ether	2.18	74	3146	6.363	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7183	6.937	ug/l	97
10) Methyl Iodide	2.50	142	3804	3.677	ug/l	98
11) Tert butyl alcohol	3.03	59	4906	45.717	ug/l #	85
12) 1,1-Dichloroethene	2.36	96	6990	7.398	ug/l	91
13) Acrolein	2.28	56	1519	38.663	ug/l #	47
14) Allyl chloride	2.72	41	11751	7.257	ug/l	98
15) Acrylonitrile	3.13	53	9616	38.014	ug/l	97
16) Acetone	2.43	43	12162	47.705	ug/l	96
17) Carbon Disulfide	2.56	76	18656	6.999	ug/l	99
18) Methyl Acetate	2.76	43	5894	8.922	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	20605	7.315	ug/l	98
20) Methylene Chloride	2.84	84	11232	9.754	ug/l	88
21) trans-1,2-Dichloroethene	3.15	96	8067	7.183	ug/l	98
22) Diisopropyl ether	3.84	45	24508	7.526	ug/l	95
23) Vinyl Acetate	3.80	43	70380	34.373	ug/l	98
24) 1,1-Dichloroethane	3.68	63	14336	7.549	ug/l	98
25) 2-Butanone	4.67	43	12400	35.702	ug/l	100
26) 2,2-Dichloropropane	4.56	77	13745	7.803	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	9265	7.180	ug/l	99
28) Bromochloromethane	5.00	49	6433	8.242	ug/l	94
29) Tetrahydrofuran	5.12	42	7669	35.903	ug/l	96
30) Chloroform	5.20	83	15996	7.674	ug/l	93
31) Cyclohexane	5.56	56	12338	7.798	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	13013	6.710	ug/l	95
36) 1,1-Dichloropropene	5.78	75	11181	5.410	ug/l	97
37) Ethyl Acetate	4.83	43	5368	5.189	ug/l #	90
38) Carbon Tetrachloride	5.77	117	11724	4.665	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	13702	5.460	ug/l	98
40) Benzene	6.13	78	31077	5.206	ug/l	96
41) Methacrylonitrile	5.03	41	3019	4.842	ug/l #	75
42) 1,2-Dichloroethane	6.17	62	10806	5.344	ug/l	98
43) Isopropyl Acetate	6.43	43	10455	4.889	ug/l	96
44) Trichloroethene	7.20	130	8643	4.360	ug/l	85
45) 1,2-Dichloropropane	7.50	63	7948	5.292	ug/l	94
46) Dibromomethane	7.65	93	4624	5.136	ug/l	98
47) Bromodichloromethane	7.89	83	11529	5.073	ug/l	97
48) Methyl methacrylate	7.76	41	5529	5.243	ug/l	95
49) 1,4-Dioxane	7.74	88	1655	111.870	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	27571	25.653	ug/l	98
52) Toluene	8.78	92	20535	5.077	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	11782	5.121	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	13354	5.157	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	6559	4.990	ug/l	98
56) Ethyl methacrylate	9.17	69	8811	5.048	ug/l	97
57) 1,3-Dichloropropane	9.37	76	11084	5.135	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	24676	31.110	ug/l	100
59) 2-Hexanone	9.49	43	20682	27.032	ug/l	97
60) Dibromochloromethane	9.58	129	7600	4.160	ug/l	98
61) 1,2-Dibromoethane	9.67	107	6139	4.689	ug/l	100
64) Tetrachloroethene	9.33	164	7685	3.764	ug/l	96
65) Chlorobenzene	10.14	112	23318	4.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	8054	4.285	ug/l	98
67) Ethyl Benzene	10.25	91	42784	5.407	ug/l	99
68) m/p-Xylenes	10.35	106	31787	10.231	ug/l	98
69) o-Xylene	10.70	106	15039	4.990	ug/l	100
70) Styrene	10.71	104	24608	4.759	ug/l	97
71) Bromoform	10.85	173	4046	3.103	ug/l #	96
73) Isopropylbenzene	11.01	105	41339	6.270	ug/l	99
74) N-amyl acetate	10.89	43	10589	6.441	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	7778	6.444	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	6715m	7.180	ug/l	
77) Bromobenzene	11.25	156	8829	4.580	ug/l	96
78) n-propylbenzene	11.35	91	50228	6.770	ug/l	99
79) 2-Chlorotoluene	11.42	91	30788	7.009	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	36922	6.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	2672	6.740	ug/l	98
82) 4-Chlorotoluene	11.51	91	36895	7.000	ug/l	100
83) tert-Butylbenzene	11.76	119	35093	5.969	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	38060	6.603	ug/l	98
85) sec-Butylbenzene	11.94	105	44895	6.648	ug/l	99
86) p-Isopropyltoluene	12.06	119	40534	6.131	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	19219	5.316	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	19389	5.398	ug/l	95
89) n-Butylbenzene	12.38	91	39391	6.879	ug/l	98
90) Hexachloroethane	12.59	117	8009	6.452	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	16833	5.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1624	6.852	ug/l	96

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QLast Update : Tue Sep 03 14:34:39 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	12279	4.324	ug/l	100
94) Hexachlorobutadiene	13.78	225	6270	3.160	ug/l	97
95) Naphthalene	13.83	128	23661	5.418	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	10772	4.314	ug/l	98

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

