

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\
 Data File : VX012011.D
 Acq On : 02 Sep 2019 12:54
 Operator : SY/SP
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

sam
 9/3/2019 2:16:09 PM

Quant Time: Sep 03 04:52:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 04:42:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	409756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	537945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	294345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	39721	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
35) Dibromofluoromethane	5.48	113	39851	11.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.94%	
50) Toluene-d8	8.71	98	130153	10.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.96%	
62) 4-Bromofluorobenzene	11.13	95	63662	11.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	25773	10.348	ug/l	96
3) Chloromethane	1.31	50	23967	8.543	ug/l	99
4) Vinyl Chloride	1.39	62	24710	9.127	ug/l	95
5) Bromomethane	1.62	94	18096	9.626	ug/l	99
6) Chloroethane	1.71	64	15007	8.919	ug/l	99
7) Trichlorofluoromethane	1.92	101	46488	9.834	ug/l	99
8) Diethyl Ether	2.17	74	13628	8.524	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30230	9.830	ug/l	98
10) Methyl Iodide	2.50	142	21246	7.416	ug/l	98
11) Tert butyl alcohol	3.03	59	15332	41.980	ug/l	98
12) 1,1-Dichloroethene	2.36	96	26140	9.184	ug/l	99
13) Acrolein	2.28	56	6546	37.118	ug/l	91
14) Allyl chloride	2.72	41	44371	8.461	ug/l	98
15) Acrylonitrile	3.13	53	35624	41.205	ug/l	99
16) Acetone	2.43	43	36762	44.529	ug/l	100
17) Carbon Disulfide	2.56	76	66532	8.128	ug/l	99
18) Methyl Acetate	2.76	43	18218	8.076	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	78946	8.693	ug/l	100
20) Methylene Chloride	2.84	84	32239	7.891	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	30467	9.108	ug/l	96
22) Diisopropyl ether	3.84	45	90172	8.450	ug/l	91
23) Vinyl Acetate	3.80	43	281025	41.021	ug/l	98
24) 1,1-Dichloroethane	3.69	63	53388	9.006	ug/l	99
25) 2-Butanone	4.66	43	48766	41.096	ug/l	99
26) 2,2-Dichloropropane	4.56	77	50861	10.069	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	35597	9.084	ug/l	99
28) Bromochloromethane	5.00	49	20703	7.923	ug/l	99
29) Tetrahydrofuran	5.12	42	28734	38.813	ug/l	97
30) Chloroform	5.20	83	58237	9.154	ug/l	95
31) Cyclohexane	5.56	56	44810	9.247	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	54874	9.620	ug/l	99
36) 1,1-Dichloropropene	5.78	75	40256	9.454	ug/l	99
37) Ethyl Acetate	4.82	43	19695	8.028	ug/l #	91
38) Carbon Tetrachloride	5.77	117	49657	9.981	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	49954	9.792	ug/l	97
40) Benzene	6.13	78	117110	9.305	ug/l	97
41) Methacrylonitrile	5.03	41	11934	8.230	ug/l	98
42) 1,2-Dichloroethane	6.18	62	40211	9.411	ug/l	99
43) Isopropyl Acetate	6.44	43	41891	8.403	ug/l	99
44) Trichloroethene	7.20	130	38924	9.861	ug/l	99
45) 1,2-Dichloropropane	7.50	63	29406	8.982	ug/l	98
46) Dibromomethane	7.65	93	17293	8.861	ug/l	98
47) Bromodichloromethane	7.89	83	44603	9.232	ug/l	99
48) Methyl methacrylate	7.76	41	20472	8.440	ug/l	98
49) 1,4-Dioxane	7.73	88	5999	180.817	ug/l #	94
51) 4-Methyl-2-Pentanone	8.64	43	106625	42.181	ug/l	100
52) Toluene	8.78	92	79698	9.531	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	44290	8.952	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	49854	8.978	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	26242	9.191	ug/l	97
56) Ethyl methacrylate	9.17	69	34305	8.719	ug/l	98
57) 1,3-Dichloropropane	9.37	76	42802	9.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	78324	42.463	ug/l	99
59) 2-Hexanone	9.48	43	75910	42.244	ug/l	100
60) Dibromochloromethane	9.57	129	35187	9.152	ug/l	98
61) 1,2-Dibromoethane	9.67	107	25429	8.982	ug/l	98
64) Tetrachloroethene	9.33	164	41638	10.334	ug/l	96
65) Chlorobenzene	10.14	112	94244	9.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	36704	9.453	ug/l	97
67) Ethyl Benzene	10.25	91	160012	9.789	ug/l	99
68) m/p-Xylenes	10.36	106	125410	19.841	ug/l	100
69) o-Xylene	10.70	106	61110	9.935	ug/l	100
70) Styrene	10.71	104	103760	9.612	ug/l	100
71) Bromoform	10.85	173	24590	8.959	ug/l #	99
73) Isopropylbenzene	11.01	105	167141	9.897	ug/l	99
74) N-amyl acetate	10.89	43	40082	8.183	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	30341	8.932	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	26809m	9.621	ug/l	
77) Bromobenzene	11.25	156	48383	9.876	ug/l	100
78) n-propylbenzene	11.35	91	188192	9.863	ug/l	99
79) 2-Chlorotoluene	11.42	91	111155	9.704	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	143802	9.909	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	9826	8.683	ug/l	98
82) 4-Chlorotoluene	11.51	91	133422	9.666	ug/l	100
83) tert-Butylbenzene	11.76	119	148896	10.055	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	144382	9.707	ug/l	98
85) sec-Butylbenzene	11.94	105	171844	10.025	ug/l	100
86) p-Isopropyltoluene	12.06	119	167258	10.053	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	90784	10.001	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	89672	9.777	ug/l	96
89) n-Butylbenzene	12.39	91	144612	9.848	ug/l	99
90) Hexachloroethane	12.59	117	30892	9.606	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	80775	9.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5905	8.733	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	68758	9.655	ug/l	98
94) Hexachlorobutadiene	13.78	225	50032	10.419	ug/l	99
95) Naphthalene	13.83	128	106541	8.868	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	61251	9.543	ug/l	99

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

