

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\
 Data File : VX012012.D
 Acq On : 02 Sep 2019 13:21
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 9/3/2019 2:15:44 PM

Quant Time: Sep 03 04:55:38 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	448932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	578099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	529350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	306776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	72861	17.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.18%	
35) Dibromofluoromethane	5.48	113	75235	20.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.30%	
50) Toluene-d8	8.71	98	240944	18.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.10%	
62) 4-Bromofluorobenzene	11.14	95	116870	20.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52731	19.324	ug/l	97
3) Chloromethane	1.31	50	47994	15.615	ug/l	100
4) Vinyl Chloride	1.39	62	49792	16.786	ug/l	100
5) Bromomethane	1.62	94	34268	16.638	ug/l	98
6) Chloroethane	1.70	64	30974	16.802	ug/l	99
7) Trichlorofluoromethane	1.91	101	94368	18.220	ug/l	99
8) Diethyl Ether	2.17	74	27987	15.978	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61923	18.379	ug/l	98
10) Methyl Iodide	2.50	142	51354	16.360	ug/l	99
11) Tert butyl alcohol	3.03	59	31170	77.897	ug/l	99
12) 1,1-Dichloroethene	2.36	96	53853	17.270	ug/l	97
13) Acrolein	2.28	56	14885	77.039	ug/l	98
14) Allyl chloride	2.71	41	90497	15.751	ug/l	100
15) Acrylonitrile	3.13	53	73444	77.537	ug/l	99
16) Acetone	2.43	43	69684	77.041	ug/l	100
17) Carbon Disulfide	2.55	76	134711	15.022	ug/l	100
18) Methyl Acetate	2.76	43	36472	14.758	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	163895	16.473	ug/l	99
20) Methylene Chloride	2.84	84	63769	14.246	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	62213	16.975	ug/l	98
22) Diisopropyl ether	3.84	45	188862	16.153	ug/l	97
23) Vinyl Acetate	3.79	43	596934	79.530	ug/l	100
24) 1,1-Dichloroethane	3.68	63	108902	16.767	ug/l	99
25) 2-Butanone	4.66	43	99869	76.816	ug/l	99
26) 2,2-Dichloropropane	4.56	77	102566	18.533	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	72571	16.903	ug/l	97
28) Bromochloromethane	5.00	49	44325	15.482	ug/l	99
29) Tetrahydrofuran	5.11	42	62612	77.194	ug/l	99
30) Chloroform	5.19	83	119714	17.175	ug/l	98
31) Cyclohexane	5.56	56	90645	17.074	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	111663	17.868	ug/l	99
36) 1,1-Dichloropropene	5.78	75	84106	18.380	ug/l	100
37) Ethyl Acetate	4.82	43	42840	16.249	ug/l	99
38) Carbon Tetrachloride	5.77	117	102350	19.144	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	103391	18.858	ug/l	98
40) Benzene	6.13	78	240282	17.765	ug/l	98
41) Methacrylonitrile	5.03	41	26499	17.006	ug/l	94
42) 1,2-Dichloroethane	6.18	62	81343	17.714	ug/l	99
43) Isopropyl Acetate	6.43	43	89042	16.620	ug/l	99
44) Trichloroethene	7.20	130	79159	18.662	ug/l	97
45) 1,2-Dichloropropane	7.51	63	62760	17.839	ug/l	97
46) Dibromomethane	7.65	93	36147	17.235	ug/l	98
47) Bromodichloromethane	7.89	83	92028	17.724	ug/l	98
48) Methyl methacrylate	7.76	41	42978	16.487	ug/l	99
49) 1,4-Dioxane	7.73	88	12177	341.535	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	225203	82.902	ug/l	99
52) Toluene	8.78	92	163652	18.211	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	93973	17.675	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	105454	17.671	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	54279	17.689	ug/l	98
56) Ethyl methacrylate	9.17	69	70172	16.595	ug/l	98
57) 1,3-Dichloropropane	9.37	76	89440	17.597	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	156836	79.121	ug/l	99
59) 2-Hexanone	9.48	43	157721	81.675	ug/l	99
60) Dibromochloromethane	9.57	129	75090	18.175	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52995	17.418	ug/l	99
64) Tetrachloroethene	9.33	164	82407	19.280	ug/l	99
65) Chlorobenzene	10.14	112	191886	18.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	78856	19.145	ug/l	99
67) Ethyl Benzene	10.25	91	325118	18.750	ug/l	100
68) m/p-Xylenes	10.35	106	252790	37.702	ug/l	99
69) o-Xylene	10.70	106	122560	18.784	ug/l	99
70) Styrene	10.71	104	211442	18.465	ug/l	100
71) Bromoform	10.85	173	53498	18.374	ug/l	97
73) Isopropylbenzene	11.01	105	341106	19.380	ug/l	100
74) N-amyl acetate	10.89	43	86128	16.871	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	62647	17.695	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	46052m	15.858	ug/l	
77) Bromobenzene	11.25	156	98070	19.206	ug/l	99
78) n-propylbenzene	11.35	91	381964	19.206	ug/l	100
79) 2-Chlorotoluene	11.42	91	223481	18.719	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	286506	18.942	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20326	17.234	ug/l	99
82) 4-Chlorotoluene	11.51	91	268923	18.693	ug/l	100
83) tert-Butylbenzene	11.77	119	300385	19.464	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	290803	18.759	ug/l	99
85) sec-Butylbenzene	11.94	105	348830	19.526	ug/l	100
86) p-Isopropyltoluene	12.06	119	333020	19.204	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181463	19.180	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	179091	18.735	ug/l	98
89) n-Butylbenzene	12.38	91	290286	18.968	ug/l	99
90) Hexachloroethane	12.59	117	62578	18.671	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	165087	18.790	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11815	16.765	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	136190	18.348	ug/l	99
94) Hexachlorobutadiene	13.77	225	99526	19.887	ug/l	98
95) Naphthalene	13.83	128	209412	16.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	118166	17.664	ug/l	99

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

