

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011906.D
 Acq On : 30 Aug 2019 13:40
 Operator : SY/SP
 Sample : VX0830SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:06 AM

Quant Time: Aug 31 02:16:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	354611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	478627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	265481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	169992	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	5.48	113	158171	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	8.71	98	578306	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	11.14	95	239301	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	51108	23.880	ug/l 99
3) Chloromethane	1.31	50	51807	20.881	ug/l 100
4) Vinyl Chloride	1.40	62	50777	21.432	ug/l 99
5) Bromomethane	1.62	94	35246	21.501	ug/l 100
6) Chloroethane	1.70	64	30751	20.855	ug/l 97
7) Trichlorofluoromethane	1.91	101	90991	22.115	ug/l 99
8) Diethyl Ether	2.17	74	28715	20.307	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59263	22.099	ug/l 99
10) Methyl Iodide	2.50	142	35203	14.816	ug/l 98
11) Tert butyl alcohol	3.04	59	35293	107.974	ug/l 99
12) 1,1-Dichloroethene	2.36	96	52333	21.012	ug/l 95
13) Acrolein	2.28	56	15807	97.162	ug/l 95
14) Allyl chloride	2.71	41	96649	20.687	ug/l 100
15) Acrylonitrile	3.13	53	83630	107.672	ug/l 99
16) Acetone	2.43	43	76257	104.318	ug/l 100
17) Carbon Disulfide	2.55	76	138196	19.345	ug/l 99
18) Methyl Acetate	2.76	43	42991	21.245	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	171806	21.293	ug/l 99
20) Methylene Chloride	2.84	84	69785	19.364	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	61451	20.946	ug/l 94
22) Diisopropyl ether	3.84	45	202010	21.180	ug/l 92
23) Vinyl Acetate	3.80	43	656725	107.096	ug/l 99
24) 1,1-Dichloroethane	3.68	63	109803	20.877	ug/l 99
25) 2-Butanone	4.66	43	114112	107.180	ug/l 99
26) 2,2-Dichloropropane	4.57	77	96048	21.773	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	73497	21.268	ug/l 99
28) Bromochloromethane	5.00	49	47010	19.919	ug/l 100
29) Tetrahydrofuran	5.11	42	71426	107.483	ug/l 99
30) Chloroform	5.20	83	119033	21.166	ug/l 99
31) Cyclohexane	5.56	56	91490	21.566	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	106630	21.345	ug/l 99
36) 1,1-Dichloropropene	5.78	75	83096	21.914	ug/l 99
37) Ethyl Acetate	4.82	43	47717	21.259	ug/l 98
38) Carbon Tetrachloride	5.77	117	98279	22.348	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	99955	22.131	ug/l	97
40) Benzene	6.13	78	242621	21.436	ug/l	99
41) Methacrylonitrile	5.03	41	29260	22.140	ug/l	99
42) 1,2-Dichloroethane	6.18	62	84095	21.848	ug/l	99
43) Isopropyl Acetate	6.43	43	101787	22.367	ug/l	100
44) Trichloroethene	7.20	130	75930	21.682	ug/l	100
45) 1,2-Dichloropropane	7.50	63	63741	21.529	ug/l	100
46) Dibromomethane	7.65	93	38075	21.669	ug/l	98
47) Bromodichloromethane	7.89	83	94376	21.660	ug/l	99
48) Methyl methacrylate	7.76	41	49067	22.160	ug/l	98
49) 1,4-Dioxane	7.73	88	13791	452.931	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	259668	112.322	ug/l	100
52) Toluene	8.78	92	162920	21.757	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	96969	21.727	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	107317	21.420	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	56764	22.067	ug/l	98
56) Ethyl methacrylate	9.17	69	77814	21.796	ug/l	99
57) 1,3-Dichloropropane	9.37	76	93160	21.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172946	101.709	ug/l	99
59) 2-Hexanone	9.48	43	183189	111.553	ug/l	100
60) Dibromochloromethane	9.57	129	76584	22.167	ug/l	99
61) 1,2-Dibromoethane	9.67	107	55657	21.823	ug/l	98
64) Tetrachloroethene	9.33	164	80019	22.245	ug/l	97
65) Chlorobenzene	10.14	112	190344	21.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	78153	22.302	ug/l	98
67) Ethyl Benzene	10.25	91	324997	22.048	ug/l	99
68) m/p-Xylenes	10.35	106	250093	43.939	ug/l	99
69) o-Xylene	10.70	106	121575	21.919	ug/l	99
70) Styrene	10.71	104	215930	22.087	ug/l	99
71) Bromoform	10.85	173	55315	22.323	ug/l #	100
73) Isopropylbenzene	11.01	105	333621	21.871	ug/l	100
74) N-amyl acetate	10.89	43	98758	21.816	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	68698	22.006	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	59592m	22.819	ug/l	
77) Bromobenzene	11.25	156	96585	21.832	ug/l	98
78) n-propylbenzene	11.35	91	379249	21.925	ug/l	100
79) 2-Chlorotoluene	11.42	91	225820	21.689	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	287663	21.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22601	21.741	ug/l	99
82) 4-Chlorotoluene	11.51	91	272078	21.661	ug/l	100
83) tert-Butylbenzene	11.76	119	296592	22.200	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	291137	21.576	ug/l	100
85) sec-Butylbenzene	11.94	105	338665	21.824	ug/l	99
86) p-Isopropyltoluene	12.06	119	327435	21.761	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178934	21.763	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	180985	21.774	ug/l	99
89) n-Butylbenzene	12.38	91	287659	21.608	ug/l	99
90) Hexachloroethane	12.59	117	63316	21.750	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	166140	21.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13533	21.762	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	140083	21.763	ug/l	100
94) Hexachlorobutadiene	13.77	225	92241	21.459	ug/l	98
95) Naphthalene	13.83	128	239409	21.672	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	124565	21.401	ug/l	99

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

