

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011923.D
 Acq On : 30 Aug 2019 23:31
 Operator : SY/SP
 Sample : VX0830SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:12 AM

Quant Time: Aug 31 03:15:42 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	307981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	158988	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	5.48	113	146538	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	8.71	98	529211	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	220267	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38649	20.792	ug/l	98
3) Chloromethane	1.31	50	43928	20.386	ug/l	98
4) Vinyl Chloride	1.40	62	41095	19.972	ug/l	99
5) Bromomethane	1.62	94	30437	21.379	ug/l	98
6) Chloroethane	1.70	64	26513	20.703	ug/l	98
7) Trichlorofluoromethane	1.92	101	68875	19.274	ug/l	99
8) Diethyl Ether	2.17	74	25620	20.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45068	19.351	ug/l	98
10) Methyl Iodide	2.50	142	41607	18.836	ug/l	100
11) Tert butyl alcohol	3.03	59	31816	112.074	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42792	19.783	ug/l	99
13) Acrolein	2.28	56	13782	97.541	ug/l	96
14) Allyl chloride	2.72	41	81643	20.121	ug/l	99
15) Acrylonitrile	3.12	53	75136	111.383	ug/l	99
16) Acetone	2.43	43	63240	99.609	ug/l	99
17) Carbon Disulfide	2.56	76	111643	17.994	ug/l	100
18) Methyl Acetate	2.76	43	43177	24.568	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	155422	22.179	ug/l	99
20) Methylene Chloride	2.84	84	61268	19.634	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	52253	20.507	ug/l	97
22) Diisopropyl ether	3.84	45	180708	21.815	ug/l	95
23) Vinyl Acetate	3.80	43	557915	104.758	ug/l	100
24) 1,1-Dichloroethane	3.69	63	97453	21.334	ug/l	99
25) 2-Butanone	4.65	43	98360	106.372	ug/l	95
26) 2,2-Dichloropropane	4.56	77	74730	19.505	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	66236	22.069	ug/l	99
28) Bromochloromethane	5.00	49	43295	21.122	ug/l	98
29) Tetrahydrofuran	5.12	42	64387	111.560	ug/l	99
30) Chloroform	5.19	83	107091	21.926	ug/l	96
31) Cyclohexane	5.56	56	69847	18.957	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	90464	20.851	ug/l	99
36) 1,1-Dichloropropene	5.78	75	66584	18.668	ug/l	99
37) Ethyl Acetate	4.82	43	43064	20.397	ug/l	99
38) Carbon Tetrachloride	5.77	117	80069	19.356	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	75912	17.869	ug/l	98
40) Benzene	6.13	78	217164	20.398	ug/l	98
41) Methacrylonitrile	5.03	41	27073	21.778	ug/l	98
42) 1,2-Dichloroethane	6.18	62	77267	21.341	ug/l	100
43) Isopropyl Acetate	6.43	43	87971	20.552	ug/l	99
44) Trichloroethene	7.20	130	65867	19.996	ug/l	97
45) 1,2-Dichloropropane	7.51	63	57016	20.474	ug/l	100
46) Dibromomethane	7.65	93	34508	20.879	ug/l	99
47) Bromodichloromethane	7.89	83	85338	20.823	ug/l	98
48) Methyl methacrylate	7.76	41	43726	20.995	ug/l	100
49) 1,4-Dioxane	7.73	88	12789	446.540	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	229272	105.435	ug/l	100
52) Toluene	8.78	92	142379	20.215	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86356	20.570	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	95665	20.300	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50802	20.996	ug/l	99
56) Ethyl methacrylate	9.17	69	69376	20.659	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84010	20.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	167216	104.547	ug/l	99
59) 2-Hexanone	9.48	43	162261	105.047	ug/l	100
60) Dibromochloromethane	9.57	129	67762	20.852	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50433	21.023	ug/l	99
64) Tetrachloroethene	9.33	164	70145	20.214	ug/l	99
65) Chlorobenzene	10.14	112	170139	20.352	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	69887	20.673	ug/l	99
67) Ethyl Benzene	10.25	91	282719	19.882	ug/l	100
68) m/p-Xylenes	10.35	106	222901	40.595	ug/l	99
69) o-Xylene	10.70	106	109243	20.417	ug/l	99
70) Styrene	10.71	104	195587	20.739	ug/l	99
71) Bromoform	10.85	173	49744	20.810	ug/l #	98
73) Isopropylbenzene	11.01	105	288303	19.793	ug/l	100
74) N-amyl acetate	10.89	43	86594	20.033	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	61574	20.655	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	54568m	21.882	ug/l	
77) Bromobenzene	11.25	156	88326	20.908	ug/l	98
78) n-propylbenzene	11.35	91	327206	19.810	ug/l	99
79) 2-Chlorotoluene	11.42	91	202699	20.388	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	252581	20.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18955	19.095	ug/l	99
82) 4-Chlorotoluene	11.51	91	244443	20.380	ug/l	100
83) tert-Butylbenzene	11.76	119	256609	20.115	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	258440	20.058	ug/l	100
85) sec-Butylbenzene	11.94	105	290090	19.577	ug/l	99
86) p-Isopropyltoluene	12.06	119	280894	19.550	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	161410	20.559	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	162222	20.439	ug/l	99
89) n-Butylbenzene	12.39	91	243142	19.127	ug/l	99
90) Hexachloroethane	12.59	117	54189	19.495	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	150510	20.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12923	21.763	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	122631	19.952	ug/l	100
94) Hexachlorobutadiene	13.78	225	75983	18.511	ug/l	98
95) Naphthalene	13.83	128	217691	20.637	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115107	20.710	ug/l	99

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

