

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX090819\
 Data File : VX012219.D
 Acq On : 08 Sep 2019 13:23
 Operator : SY/SP
 Sample : VX0908SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:05 AM

Quant Time: Sep 09 02:17:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	121629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	216673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	199006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98913	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	88809	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	5.48	113	68424	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	8.71	98	256273	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.14	95	114862	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	23321	20.792	ug/l	93
3) Chloromethane	1.31	50	20641	17.969	ug/l	97
4) Vinyl Chloride	1.39	62	20613	19.073	ug/l	97
5) Bromomethane	1.62	94	10750	20.052	ug/l	98
6) Chloroethane	1.70	64	13618	20.270	ug/l	96
7) Trichlorofluoromethane	1.91	101	36123	21.520	ug/l	98
8) Diethyl Ether	2.17	74	12238	21.098	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.36	101	25637	20.621	ug/l #	84
10) Methyl Iodide	2.50	142	12515	15.541	ug/l	92
11) Tert butyl alcohol	3.03	59	19905	123.484	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	22223	18.555	ug/l	86
13) Acrolein	2.28	56	5555	120.052	ug/l	93
14) Allyl chloride	2.71	41	43163	19.917	ug/l	95
15) Acrylonitrile	3.12	53	40094	109.996	ug/l	99
16) Acetone	2.43	43	44145	110.050	ug/l	97
17) Carbon Disulfide	2.55	76	46792	13.368	ug/l	99
18) Methyl Acetate	2.76	43	20156	21.330	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	83192	21.336	ug/l	96
20) Methylene Chloride	2.84	84	30291	18.805	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	25076	17.842	ug/l	91
22) Diisopropyl ether	3.84	45	95188	21.549	ug/l	96
23) Vinyl Acetate	3.80	43	310301	108.594	ug/l	98
24) 1,1-Dichloroethane	3.68	63	52563	20.517	ug/l	99
25) 2-Butanone	4.66	43	58249	114.076	ug/l	96
26) 2,2-Dichloropropane	4.56	77	50832	21.491	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	32537	19.750	ug/l	90
28) Bromochloromethane	5.00	49	21227	20.757	ug/l #	79
29) Tetrahydrofuran	5.12	42	33917	110.247	ug/l	98
30) Chloroform	5.20	83	58337	21.222	ug/l	100
31) Cyclohexane	5.56	56	37592	18.271	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	50199	20.967	ug/l	97
36) 1,1-Dichloropropene	5.79	75	37426	19.612	ug/l	94
37) Ethyl Acetate	4.81	43	24834	23.931	ug/l	98
38) Carbon Tetrachloride	5.77	117	41530	20.653	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	40296	18.193	ug/l	95
40) Benzene	6.13	78	109546	19.996	ug/l	97
41) Methacrylonitrile	5.02	41	15098	24.397	ug/l	93
42) 1,2-Dichloroethane	6.18	62	44825	22.736	ug/l	98
43) Isopropyl Acetate	6.43	43	49616	23.514	ug/l	98
44) Trichloroethene	7.20	130	29954	20.271	ug/l	81
45) 1,2-Dichloropropane	7.50	63	30255	21.375	ug/l	96
46) Dibromomethane	7.65	93	17330	20.973	ug/l #	75
47) Bromodichloromethane	7.89	83	45069	21.458	ug/l	98
48) Methyl methacrylate	7.76	41	24412	23.009	ug/l	95
49) 1,4-Dioxane	7.74	88	6316	436.696	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	134112	124.957	ug/l	98
52) Toluene	8.78	92	71957	20.187	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	45822	21.073	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	50075	20.709	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	27213	23.036	ug/l	97
56) Ethyl methacrylate	9.17	69	37293	22.040	ug/l	93
57) 1,3-Dichloropropane	9.37	76	45615	22.377	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	79177	103.791	ug/l	93
59) 2-Hexanone	9.48	43	98654	125.973	ug/l	97
60) Dibromochloromethane	9.57	129	30989	22.011	ug/l	97
61) 1,2-Dibromoethane	9.67	107	25213	22.088	ug/l	95
64) Tetrachloroethene	9.33	164	26582	21.425	ug/l	90
65) Chlorobenzene	10.14	112	84773	21.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32808	22.851	ug/l	96
67) Ethyl Benzene	10.25	91	150033	20.962	ug/l	94
68) m/p-Xylenes	10.36	106	109511	41.528	ug/l	88
69) o-Xylene	10.70	106	55441	21.681	ug/l	90
70) Styrene	10.71	104	97509	21.954	ug/l	95
71) Bromoform	10.85	173	18058	22.900	ug/l #	96
73) Isopropylbenzene	11.01	105	153854	21.200	ug/l	95
74) N-amyl acetate	10.89	43	49236	22.946	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	36149	23.893	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27368m	22.645	ug/l	
77) Bromobenzene	11.25	156	35788	22.049	ug/l	69
78) n-propylbenzene	11.35	91	184514	21.045	ug/l	94
79) 2-Chlorotoluene	11.42	91	114909	21.633	ug/l	92
80) 1,3,5-Trimethylbenzene	11.50	105	134867	21.206	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	10635	20.804	ug/l	89
82) 4-Chlorotoluene	11.51	91	141294	22.317	ug/l	90
83) tert-Butylbenzene	11.76	119	135326	22.324	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	141918	21.711	ug/l	93
85) sec-Butylbenzene	11.94	105	159931	21.241	ug/l	94
86) p-Isopropyltoluene	12.06	119	143970	21.026	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	72375	22.253	ug/l	91
88) 1,4-Dichlorobenzene	12.09	146	73174	22.501	ug/l	93
89) n-Butylbenzene	12.39	91	139450	20.965	ug/l	96
90) Hexachloroethane	12.59	117	26598	19.454	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	69739	23.808	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7334	23.164	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47025	22.555	ug/l	96
94) Hexachlorobutadiene	13.78	225	23282	22.153	ug/l	97
95) Naphthalene	13.83	128	106807	23.670	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	42422	23.128	ug/l	95

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

