

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011989.D
 Acq On : 01 Sep 2019 13:48
 Operator : SY/SP
 Sample : VX0901SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 2:04:52 AM

Quant Time: Sep 02 04:10:19 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	5.64	168	404849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	518156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	472733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	285438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	150764	38.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.74%	
35) Dibromofluoromethane	5.48	113	148388	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
50) Toluene-d8	8.71	98	545012	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
62) 4-Bromofluorobenzene	11.13	95	222348	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	54616	22.352	ug/l	100
3) Chloromethane	1.31	50	50303	17.759	ug/l	100
4) Vinyl Chloride	1.39	62	51982	19.218	ug/l	99
5) Bromomethane	1.62	94	35053	18.730	ug/l	98
6) Chloroethane	1.70	64	31935	18.971	ug/l	100
7) Trichlorofluoromethane	1.91	101	97513	20.759	ug/l	97
8) Diethyl Ether	2.17	74	26616	16.487	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	63323	20.683	ug/l	97
10) Methyl Iodide	2.50	142	49755	17.467	ug/l	99
11) Tert butyl alcohol	3.03	59	26480	70.959	ug/l	97
12) 1,1-Dichloroethene	2.36	96	55286	19.443	ug/l	99
13) Acrolein	2.28	56	12864	69.260	ug/l	97
14) Allyl chloride	2.71	41	93863	17.598	ug/l	97
15) Acrylonitrile	3.12	53	67470	76.087	ug/l	99
16) Acetone	2.43	43	72924	87.380	ug/l	99
17) Carbon Disulfide	2.55	76	139131	17.059	ug/l	98
18) Methyl Acetate	2.76	43	33790	14.626	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	154559	16.779	ug/l	98
20) Methylene Chloride	2.84	84	63644	14.373	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	62714	18.724	ug/l	98
22) Diisopropyl ether	3.84	45	187606	17.229	ug/l	98
23) Vinyl Acetate	3.80	43	567640	81.082	ug/l	99
24) 1,1-Dichloroethane	3.68	63	108534	18.075	ug/l	98
25) 2-Butanone	4.65	43	94657	77.874	ug/l	100
26) 2,2-Dichloropropane	4.56	77	108931	21.629	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	72925	18.484	ug/l	99
28) Bromochloromethane	5.00	49	45642	16.939	ug/l	95
29) Tetrahydrofuran	5.11	42	55087	72.609	ug/l	96
30) Chloroform	5.19	83	118942	18.526	ug/l	100
31) Cyclohexane	5.56	56	94986	19.612	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	112782	19.775	ug/l	99
36) 1,1-Dichloropropene	5.78	75	85851	20.914	ug/l	99
37) Ethyl Acetate	4.81	43	38341	15.779	ug/l	97
38) Carbon Tetrachloride	5.77	117	105373	22.133	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	107282	21.941	ug/l	99
40) Benzene	6.13	78	244561	19.959	ug/l	99
41) Methacrylonitrile	5.03	41	24162	16.888	ug/l	97
42) 1,2-Dichloroethane	6.18	62	80491	19.316	ug/l	100
43) Isopropyl Acetate	6.43	43	80698	16.380	ug/l	99
44) Trichloroethene	7.20	130	79932	21.083	ug/l	98
45) 1,2-Dichloropropane	7.50	63	61237	19.106	ug/l	97
46) Dibromomethane	7.65	93	35051	18.427	ug/l	98
47) Bromodichloromethane	7.89	83	93160	19.750	ug/l	97
48) Methyl methacrylate	7.76	41	40210	16.775	ug/l	99
49) 1,4-Dioxane	7.73	88	10831	328.581	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	202040	80.727	ug/l	100
52) Toluene	8.78	92	163704	20.194	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	90359	18.701	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	104546	19.275	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52137	18.722	ug/l	94
56) Ethyl methacrylate	9.17	69	65642	16.984	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86064	18.620	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	157326	85.464	ug/l	98
59) 2-Hexanone	9.48	43	147183	82.790	ug/l	99
60) Dibromochloromethane	9.57	129	71162	19.026	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50737	18.377	ug/l	100
64) Tetrachloroethene	9.33	164	81796	21.510	ug/l	97
65) Chlorobenzene	10.13	112	191500	20.904	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77486	20.916	ug/l	98
67) Ethyl Benzene	10.25	91	330030	21.179	ug/l	100
68) m/p-Xylenes	10.36	106	258545	42.969	ug/l	99
69) o-Xylene	10.70	106	123737	21.103	ug/l	100
70) Styrene	10.71	104	214500	20.755	ug/l	100
71) Bromoform	10.85	173	49520	18.905	ug/l #	100
73) Isopropylbenzene	11.01	105	348259	21.234	ug/l	100
74) N-amyl acetate	10.89	43	78780	16.186	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	59444	17.710	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	44312m	15.781	ug/l	
77) Bromobenzene	11.25	156	96136	20.211	ug/l	96
78) n-propylbenzene	11.35	91	397355	21.366	ug/l	100
79) 2-Chlorotoluene	11.42	91	226173	20.204	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	295024	20.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19085	17.075	ug/l	97
82) 4-Chlorotoluene	11.51	91	277171	20.524	ug/l	100
83) tert-Butylbenzene	11.76	119	312006	21.721	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	297878	20.532	ug/l	99
85) sec-Butylbenzene	11.94	105	361487	21.666	ug/l	99
86) p-Isopropyltoluene	12.06	119	348460	21.539	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183850	20.797	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	182764	20.451	ug/l	99
89) n-Butylbenzene	12.39	91	308440	21.549	ug/l	99
90) Hexachloroethane	12.59	117	65260	20.851	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	165335	20.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	10956	16.386	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	143923	20.797	ug/l	99
94) Hexachlorobutadiene	13.78	225	106214	22.982	ug/l	100
95) Naphthalene	13.83	128	209645	17.651	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	125229	20.011	ug/l	99

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

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