

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011885.D
 Acq On : 29 Aug 2019 21:15
 Operator : SY/SP
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:16 AM

Quant Time: Aug 30 01:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	366884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	513307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	36414	10.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.28%	
35) Dibromofluoromethane	5.48	113	34883	10.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.90%	
50) Toluene-d8	8.71	98	116472	10.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.20%	
62) 4-Bromofluorobenzene	11.13	95	58504	11.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	24284	10.835	ug/l	98
3) Chloromethane	1.31	50	26917	10.225	ug/l	99
4) Vinyl Chloride	1.40	62	25289	10.122	ug/l	98
5) Bromomethane	1.62	94	19206	11.943	ug/l	98
6) Chloroethane	1.71	64	15630	10.495	ug/l	98
7) Trichlorofluoromethane	1.92	101	44452	10.515	ug/l	97
8) Diethyl Ether	2.17	74	14983	10.657	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28600	11.532	ug/l	99
10) Methyl Iodide	2.50	142	20406	9.063	ug/l	98
11) Tert butyl alcohol	3.03	59	17181	56.756	ug/l	97
12) 1,1-Dichloroethene	2.36	96	26463	10.783	ug/l	99
13) Acrolein	2.28	56	8330	58.026	ug/l	95
14) Allyl chloride	2.71	41	49417	11.071	ug/l	99
15) Acrylonitrile	3.13	53	40013	52.840	ug/l	97
16) Acetone	2.43	43	40113	30.572	ug/l	100
17) Carbon Disulfide	2.56	76	72877	9.916	ug/l	99
18) Methyl Acetate	2.76	43	21600	7.779	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	86475	10.799	ug/l	99
20) Methylene Chloride	2.84	84	43158	13.063	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	31554	10.389	ug/l	98
22) Diisopropyl ether	3.84	45	102198	10.567	ug/l	96
23) Vinyl Acetate	3.80	43	320058	75.794	ug/l	100
24) 1,1-Dichloroethane	3.68	63	56270	10.285	ug/l	98
25) 2-Butanone	4.66	43	54863	51.600	ug/l	95
26) 2,2-Dichloropropane	4.56	77	47511	12.393	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	36415	10.149	ug/l	96
28) Bromochloromethane	5.01	49	24355	10.009	ug/l	99
29) Tetrahydrofuran	5.12	42	34448	52.032	ug/l	98
30) Chloroform	5.20	83	60187	10.206	ug/l	97
31) Cyclohexane	5.56	56	46937	10.533	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	52290	10.508	ug/l	98
36) 1,1-Dichloropropene	5.79	75	41197	10.175	ug/l	100
37) Ethyl Acetate	4.82	43	23669	12.405	ug/l #	95
38) Carbon Tetrachloride	5.77	117	47040	11.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	50575	10.448	ug/l	98
40) Benzene	6.13	78	124351	10.277	ug/l	98
41) Methacrylonitrile	5.03	41	14226	10.948	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42298	10.476	ug/l	98
43) Isopropyl Acetate	6.43	43	49039	12.898	ug/l	99
44) Trichloroethene	7.20	130	38190	9.140	ug/l	93
45) 1,2-Dichloropropane	7.50	63	32829	10.657	ug/l	99
46) Dibromomethane	7.65	93	18856	10.230	ug/l	100
47) Bromodichloromethane	7.89	83	46884	10.976	ug/l	95
48) Methyl methacrylate	7.76	41	23176	12.391	ug/l	97
49) 1,4-Dioxane	7.74	88	6654	246.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	124878	61.709	ug/l	100
52) Toluene	8.78	92	83566	10.537	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	47770	14.324	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	54648	12.795	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	28953	11.563	ug/l	96
56) Ethyl methacrylate	9.17	69	38258	14.717	ug/l	99
57) 1,3-Dichloropropane	9.37	76	47500	11.750	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	89839	107.514	ug/l	100
59) 2-Hexanone	9.49	43	88201	66.329	ug/l	99
60) Dibromochloromethane	9.58	129	37334	11.583	ug/l	99
61) 1,2-Dibromoethane	9.66	107	27769	11.821	ug/l	99
64) Tetrachloroethene	9.33	164	39889	8.355	ug/l	97
65) Chlorobenzene	10.13	112	97368	10.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	38339	11.766	ug/l	99
67) Ethyl Benzene	10.25	91	165514	10.682	ug/l	100
68) m/p-Xylenes	10.35	106	126034	21.057	ug/l	99
69) o-Xylene	10.69	106	61338	10.682	ug/l	99
70) Styrene	10.71	104	106262	11.292	ug/l	98
71) Bromoform	10.85	173	25964	11.740	ug/l #	98
73) Isopropylbenzene	11.01	105	168166	10.384	ug/l	100
74) N-amyl acetate	10.89	43	47581	11.954	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	33406	12.457	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	27898m	13.135	ug/l	
77) Bromobenzene	11.25	156	47949	10.538	ug/l	99
78) n-propylbenzene	11.35	91	191522	10.494	ug/l	100
79) 2-Chlorotoluene	11.41	91	114062	10.353	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	143577	10.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10889	18.632	ug/l	98
82) 4-Chlorotoluene	11.51	91	138908	10.584	ug/l	99
83) tert-Butylbenzene	11.77	119	146130	11.035	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	146874	10.803	ug/l	99
85) sec-Butylbenzene	11.94	105	172036	10.802	ug/l	100
86) p-Isopropyltoluene	12.06	119	164887	11.099	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	89251	10.535	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	89424	10.586	ug/l	97
89) n-Butylbenzene	12.38	91	146555	11.213	ug/l	99
90) Hexachloroethane	12.59	117	32084	15.710	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	81425	10.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6540	15.560	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	69993	11.331	ug/l	100
94) Hexachlorobutadiene	13.78	225	47463	11.662	ug/l	98
95) Naphthalene	13.83	128	115382	12.609	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	62967	11.660	ug/l	100

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

