

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091019\
 Data File : VX012245.D
 Acq On : 10 Sep 2019 09:06
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:18 AM

Quant Time: Sep 10 11:55:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	253370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	10644	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
35) Dibromofluoromethane	5.49	113	8270	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
50) Toluene-d8	8.71	98	30511	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
62) 4-Bromofluorobenzene	11.14	95	13723	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	7586	6.045	ug/l	97
3) Chloromethane	1.31	50	6104	5.047	ug/l	93
4) Vinyl Chloride	1.40	62	5943	5.131	ug/l	99
5) Bromomethane	1.63	94	3728	8.877	ug/l	95
6) Chloroethane	1.72	64	4824	6.634	ug/l	92
7) Trichlorofluoromethane	1.92	101	11681	5.928	ug/l	94
8) Diethyl Ether	2.17	74	3659	4.179	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6141	4.184	ug/l	97
10) Methyl Iodide	2.50	142	5476	3.799	ug/l	97
11) Tert butyl alcohol	3.01	59	5944m	27.346	ug/l	
12) 1,1-Dichloroethene	2.36	96	5453	4.411	ug/l	93
13) Acrolein	2.28	56	3123	23.700	ug/l	99
14) Allyl chloride	2.72	41	11774	4.615	ug/l	98
15) Acrylonitrile	3.13	53	10204	21.086	ug/l	96
16) Acetone	2.43	43	16944	34.293	ug/l	92
17) Carbon Disulfide	2.56	76	12641	4.969	ug/l	99
18) Methyl Acetate	2.76	43	5946	4.736	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	21698	4.267	ug/l	99
20) Methylene Chloride	2.84	84	11634	5.611	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	7271	4.859	ug/l	92
22) Diisopropyl ether	3.84	45	26209	4.406	ug/l #	86
23) Vinyl Acetate	3.80	43	73866	20.341	ug/l	99
24) 1,1-Dichloroethane	3.69	63	14414	4.540	ug/l	96
25) 2-Butanone	4.66	43	18461	27.253	ug/l	92
26) 2,2-Dichloropropane	4.57	77	13879	4.713	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	9073	4.602	ug/l	97
28) Bromochloromethane	5.00	49	6816	4.681	ug/l	95
29) Tetrahydrofuran	5.12	42	7781	18.940	ug/l	93
30) Chloroform	5.19	83	17027	4.687	ug/l	97
31) Cyclohexane	5.56	56	10880	5.095	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	14164	4.707	ug/l	95
36) 1,1-Dichloropropene	5.79	75	9635	4.499	ug/l	93
37) Ethyl Acetate	4.82	43	5474	3.870	ug/l	98
38) Carbon Tetrachloride	5.76	117	12050	4.913	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	11181	4.962	ug/l	97
40) Benzene	6.12	78	30577	4.706	ug/l	99
41) Methacrylonitrile	5.03	41	3207	3.673	ug/l #	84
42) 1,2-Dichloroethane	6.18	62	11969	4.558	ug/l	93
43) Isopropyl Acetate	6.43	43	12020	4.104	ug/l	99
44) Trichloroethene	7.20	130	8220	4.691	ug/l	93
45) 1,2-Dichloropropane	7.51	63	8729	4.760	ug/l	98
46) Dibromomethane	7.65	93	4213	4.039	ug/l	98
47) Bromodichloromethane	7.89	83	12190	4.366	ug/l	94
48) Methyl methacrylate	7.76	41	5334	3.790	ug/l	96
49) 1,4-Dioxane	7.74	88	1501	75.993	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	32051	21.035	ug/l	96
52) Toluene	8.78	92	19876	4.606	ug/l	95
53) t-1,3-Dichloropropene	9.03	75	11446	4.112	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	12920	4.255	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	6821	4.309	ug/l	97
56) Ethyl methacrylate	9.17	69	8269	3.736	ug/l	97
57) 1,3-Dichloropropane	9.37	76	11452	4.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	23022	21.906	ug/l	100
59) 2-Hexanone	9.49	43	19881	18.365	ug/l	95
60) Dibromochloromethane	9.57	129	7472	3.979	ug/l	100
61) 1,2-Dibromoethane	9.67	107	6308	4.274	ug/l	97
64) Tetrachloroethene	9.33	164	7170	5.071	ug/l	95
65) Chlorobenzene	10.13	112	23363	4.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	8000	4.118	ug/l	96
67) Ethyl Benzene	10.25	91	40978	4.604	ug/l	99
68) m/p-Xylenes	10.35	106	29509	8.990	ug/l	97
69) o-Xylene	10.70	106	14450	4.512	ug/l	98
70) Styrene	10.71	104	25196	4.375	ug/l	99
71) Bromoform	10.85	173	3717	3.669	ug/l #	94
73) Isopropylbenzene	11.01	105	40120	4.444	ug/l	99
74) N-amyl acetate	10.89	43	10284	3.559	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	7768	3.828	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	7011m	3.983	ug/l	
77) Bromobenzene	11.25	156	8827	4.090	ug/l	95
78) n-propylbenzene	11.35	91	48351	4.450	ug/l	99
79) 2-Chlorotoluene	11.42	91	30109	4.439	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	36268	4.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2233	3.504	ug/l	88
82) 4-Chlorotoluene	11.51	91	36044	4.341	ug/l	96
83) tert-Butylbenzene	11.76	119	34421	4.344	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	38412	4.544	ug/l	98
85) sec-Butylbenzene	11.94	105	42245	4.536	ug/l	100
86) p-Isopropyltoluene	12.06	119	37668	4.362	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	19436	4.541	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	19779	4.609	ug/l	94
89) n-Butylbenzene	12.38	91	37829	4.566	ug/l	98
90) Hexachloroethane	12.59	117	6825	4.310	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	17648	4.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1620	4.027	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11291	4.264	ug/l	96
94) Hexachlorobutadiene	13.77	225	5866	4.579	ug/l	99
95) Naphthalene	13.83	128	21722	3.736	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	10093	4.358	ug/l	99

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

