

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090819\
 Data File : VX012214.D
 Acq On : 08 Sep 2019 11:05
 Operator : SY/SP
 Sample : VX0908SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:13 AM

Quant Time: Sep 09 02:06:11 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	98928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	174375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	160593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	79566	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	
35) Dibromofluoromethane	5.48	113	62452	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	8.71	98	237164	60.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.54%	
62) 4-Bromofluorobenzene	11.13	95	104078	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22135	24.263	ug/l	95
3) Chloromethane	1.31	50	19844	21.240	ug/l	98
4) Vinyl Chloride	1.40	62	19791	22.515	ug/l	100
5) Bromomethane	1.62	94	9197	21.091	ug/l	95
6) Chloroethane	1.70	64	13025	23.836	ug/l	99
7) Trichlorofluoromethane	1.91	101	33972	24.883	ug/l	95
8) Diethyl Ether	2.17	74	11105	23.537	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24707	24.433	ug/l #	84
10) Methyl Iodide	2.50	142	13076	17.975	ug/l	91
11) Tert butyl alcohol	3.03	59	18327	139.784	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	20845	21.399	ug/l	90
13) Acrolein	2.28	56	4035	102.145	ug/l	89
14) Allyl chloride	2.72	41	40352	22.893	ug/l	98
15) Acrylonitrile	3.13	53	36814	124.173	ug/l	98
16) Acetone	2.43	43	42246	129.483	ug/l	100
17) Carbon Disulfide	2.56	76	43357	15.229	ug/l	98
18) Methyl Acetate	2.76	43	17359	22.585	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	77521	24.444	ug/l	100
20) Methylene Chloride	2.84	84	27681	21.128	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	24078	21.063	ug/l	95
22) Diisopropyl ether	3.84	45	90704	25.246	ug/l	94
23) Vinyl Acetate	3.80	43	285999	123.057	ug/l	97
24) 1,1-Dichloroethane	3.69	63	49827	23.913	ug/l	100
25) 2-Butanone	4.65	43	54275	130.685	ug/l	95
26) 2,2-Dichloropropane	4.56	77	48147	25.027	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	30875	23.041	ug/l	89
28) Bromochloromethane	5.00	49	20401	24.527	ug/l #	79
29) Tetrahydrofuran	5.12	42	31342	125.255	ug/l	98
30) Chloroform	5.20	83	55706	24.915	ug/l	99
31) Cyclohexane	5.56	56	36003	21.514	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	47526	24.406	ug/l	96
36) 1,1-Dichloropropene	5.78	75	35203	22.921	ug/l	96
37) Ethyl Acetate	4.82	43	22088	26.448	ug/l	99
38) Carbon Tetrachloride	5.76	117	40365	24.942	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38491	21.594	ug/l	95
40) Benzene	6.13	78	103603	23.498	ug/l	98
41) Methacrylonitrile	5.03	41	13521	27.148	ug/l	97
42) 1,2-Dichloroethane	6.18	62	42183	26.586	ug/l	95
43) Isopropyl Acetate	6.43	43	45068	26.539	ug/l	98
44) Trichloroethene	7.20	130	28645	24.088	ug/l	70
45) 1,2-Dichloropropane	7.50	63	28538	25.053	ug/l	96
46) Dibromomethane	7.65	93	16777	25.229	ug/l #	75
47) Bromodichloromethane	7.89	83	43999	26.031	ug/l #	97
48) Methyl methacrylate	7.76	41	22074	25.853	ug/l	95
49) 1,4-Dioxane	7.73	88	6377	547.865	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	121827	141.045	ug/l	97
52) Toluene	8.78	92	70564	24.598	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	44496	25.427	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	48046	24.690	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	25688	27.020	ug/l	97
56) Ethyl methacrylate	9.17	69	35075	25.757	ug/l	94
57) 1,3-Dichloropropane	9.37	76	42583	25.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	86731	141.271	ug/l	94
59) 2-Hexanone	9.48	43	90840	144.132	ug/l	97
60) Dibromochloromethane	9.57	129	29467	26.007	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23807	25.915	ug/l	98
64) Tetrachloroethene	9.33	164	25676	25.645	ug/l	88
65) Chlorobenzene	10.14	112	82473	26.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31156	26.891	ug/l	97
67) Ethyl Benzene	10.25	91	147972	25.620	ug/l	97
68) m/p-Xylenes	10.35	106	109128	51.282	ug/l	89
69) o-Xylene	10.70	106	54141	26.237	ug/l	89
70) Styrene	10.71	104	95759	26.717	ug/l	96
71) Bromoform	10.85	173	16513	25.949	ug/l #	100
73) Isopropylbenzene	11.01	105	150099	25.097	ug/l	97
74) N-amyl acetate	10.89	43	45641	25.810	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	32517	26.079	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	25293m	25.395	ug/l	
77) Bromobenzene	11.25	156	34702	25.943	ug/l	69
78) n-propylbenzene	11.35	91	182058	25.197	ug/l	94
79) 2-Chlorotoluene	11.42	91	112462	25.691	ug/l	92
80) 1,3,5-Trimethylbenzene	11.50	105	134611	25.683	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	9307	22.092	ug/l	88
82) 4-Chlorotoluene	11.51	91	135735	26.016	ug/l	91
83) tert-Butylbenzene	11.77	119	132328	26.489	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	136949	25.423	ug/l	94
85) sec-Butylbenzene	11.94	105	159876	25.766	ug/l	93
86) p-Isopropyltoluene	12.06	119	142058	25.175	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	69702	26.005	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	70638	26.357	ug/l	94
89) n-Butylbenzene	12.39	91	140258	25.587	ug/l	95
90) Hexachloroethane	12.59	117	26162	23.220	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	66758	27.655	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6402	24.537	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42214	24.569	ug/l	96
94) Hexachlorobutadiene	13.78	225	21433	24.747	ug/l	98
95) Naphthalene	13.83	128	90239	24.267	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	37856	25.044	ug/l	95

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

