

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012193.D
 Acq On : 08 Sep 2019 00:41
 Operator : SY/SP
 Sample : VX0907SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:19:25 AM

Quant Time: Sep 08 08:07:03 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	106192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	201401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	191342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	90030	61.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.88%	
35) Dibromofluoromethane	5.48	113	69994	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
50) Toluene-d8	8.71	98	253951	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
62) 4-Bromofluorobenzene	11.14	95	115043	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18211	18.597	ug/l	99
3) Chloromethane	1.31	50	19378	19.322	ug/l	98
4) Vinyl Chloride	1.40	62	17537	18.586	ug/l	100
5) Bromomethane	1.62	94	9683	20.687	ug/l	95
6) Chloroethane	1.70	64	11349	19.348	ug/l	97
7) Trichlorofluoromethane	1.91	101	28828	19.671	ug/l	96
8) Diethyl Ether	2.17	74	11702	23.106	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	20199	18.608	ug/l #	83
10) Methyl Iodide	2.50	142	13392	17.471	ug/l	90
11) Tert butyl alcohol	3.04	59	16699	118.654	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	18779	17.959	ug/l	87
13) Acrolein	2.28	56	5041	126.571	ug/l	93
14) Allyl chloride	2.72	41	37691	19.920	ug/l	98
15) Acrylonitrile	3.13	53	37450	117.678	ug/l	97
16) Acetone	2.43	43	32506	92.815	ug/l	97
17) Carbon Disulfide	2.56	76	41863	13.699	ug/l	98
18) Methyl Acetate	2.76	43	19414	23.531	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	79332	23.304	ug/l	98
20) Methylene Chloride	2.84	84	29082	20.679	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	23277	18.970	ug/l	90
22) Diisopropyl ether	3.84	45	89600	23.233	ug/l	97
23) Vinyl Acetate	3.80	43	277231	111.125	ug/l	96
24) 1,1-Dichloroethane	3.68	63	48276	21.583	ug/l	97
25) 2-Butanone	4.66	43	49311	110.610	ug/l	92
26) 2,2-Dichloropropane	4.56	77	35423	17.154	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	30729	21.364	ug/l	94
28) Bromochloromethane	5.00	49	21763	24.375	ug/l #	77
29) Tetrahydrofuran	5.11	42	30354	113.008	ug/l	99
30) Chloroform	5.19	83	54766	22.819	ug/l	98
31) Cyclohexane	5.56	56	30057	16.732	ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	43337	20.732	ug/l	97
36) 1,1-Dichloropropene	5.78	75	30646	17.277	ug/l	96
37) Ethyl Acetate	4.83	43	22128	22.940	ug/l	99
38) Carbon Tetrachloride	5.77	117	35112	18.785	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	32522	15.797	ug/l	94
40) Benzene	6.13	78	101170	19.867	ug/l	97
41) Methacrylonitrile	5.03	41	13540	23.538	ug/l	96
42) 1,2-Dichloroethane	6.18	62	41732	22.773	ug/l	98
43) Isopropyl Acetate	6.43	43	45160	23.025	ug/l	98
44) Trichloroethene	7.20	130	26461	19.265	ug/l	79
45) 1,2-Dichloropropane	7.51	63	27472	20.881	ug/l	99
46) Dibromomethane	7.65	93	16932	22.046	ug/l #	72
47) Bromodichloromethane	7.89	83	41808	21.415	ug/l	99
48) Methyl methacrylate	7.76	41	21429	21.729	ug/l	97
49) 1,4-Dioxane	7.73	88	6442	479.182	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	116338	116.616	ug/l	98
52) Toluene	8.78	92	67165	20.271	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	40181	19.880	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	43778	19.478	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	24560	22.367	ug/l	98
56) Ethyl methacrylate	9.17	69	33343	21.200	ug/l	93
57) 1,3-Dichloropropane	9.37	76	41496	21.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	77460	109.240	ug/l	92
59) 2-Hexanone	9.48	43	80745	110.923	ug/l	98
60) Dibromochloromethane	9.57	129	28376	21.683	ug/l	99
61) 1,2-Dibromoethane	9.67	107	23338	21.996	ug/l	96
64) Tetrachloroethene	9.33	164	25644	21.497	ug/l	91
65) Chlorobenzene	10.14	112	77097	20.421	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	29423	21.314	ug/l	97
67) Ethyl Benzene	10.25	91	135118	19.635	ug/l	95
68) m/p-Xylenes	10.35	106	100399	39.598	ug/l	90
69) o-Xylene	10.70	106	49527	20.144	ug/l	88
70) Styrene	10.71	104	89271	20.904	ug/l	94
71) Bromoform	10.85	173	15287	20.162	ug/l #	97
73) Isopropylbenzene	11.01	105	135164	18.910	ug/l	97
74) N-amyl acetate	10.89	43	42756	20.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	30734	20.626	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	26823m	22.535	ug/l	
77) Bromobenzene	11.25	156	32123	20.095	ug/l	70
78) n-propylbenzene	11.35	91	156491	18.123	ug/l	95
79) 2-Chlorotoluene	11.42	91	102029	19.503	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	121501	19.398	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	8187	16.261	ug/l	88
82) 4-Chlorotoluene	11.51	91	127087	20.382	ug/l	90
83) tert-Butylbenzene	11.76	119	113727	19.050	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	124414	19.326	ug/l	94
85) sec-Butylbenzene	11.94	105	135413	18.261	ug/l	94
86) p-Isopropyltoluene	12.06	119	126050	18.692	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	64681	20.193	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	64695	20.199	ug/l	94
89) n-Butylbenzene	12.39	91	118024	18.016	ug/l	95
90) Hexachloroethane	12.59	117	24088	17.889	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	61769	21.411	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6310	20.236	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	40352	19.652	µg/l	97
94) Hexachlorobutadiene	13.78	225	19833	19.161	µg/l	99
95) Naphthalene	13.83	128	91319	20.549	µg/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	37245	20.617	µg/l	95

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

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