

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012145.D
 Acq On : 06 Sep 2019 13:50
 Operator : SY/SP
 Sample : VX0906SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:14 AM

Quant Time: Sep 07 01:24:24 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	128328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	234744	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	212880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101883	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	87601	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.48	113	67689	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.71	98	255172	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.13	95	111846	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	21754	18.383	ug/l	99
3) Chloromethane	1.31	50	21641	17.856	ug/l	97
4) Vinyl Chloride	1.39	62	20530	18.005	ug/l	97
5) Bromomethane	1.62	94	10361	18.317	ug/l	97
6) Chloroethane	1.70	64	13440	18.960	ug/l	97
7) Trichlorofluoromethane	1.92	101	34577	19.524	ug/l	97
8) Diethyl Ether	2.17	74	12265	20.040	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24648	18.790	ug/l #	82
10) Methyl Iodide	2.50	142	13956	16.028	ug/l	93
11) Tert butyl alcohol	3.03	59	15946	93.759	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	22008	17.416	ug/l	87
13) Acrolein	2.28	56	5875	120.450	ug/l	90
14) Allyl chloride	2.71	41	41288	18.057	ug/l	95
15) Acrylonitrile	3.12	53	36974	96.141	ug/l	99
16) Acetone	2.43	43	40577	95.875	ug/l	100
17) Carbon Disulfide	2.56	76	54520	14.763	ug/l	100
18) Methyl Acetate	2.76	43	19834	19.893	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	79183	19.248	ug/l	98
20) Methylene Chloride	2.84	84	30903	18.183	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	25791	17.393	ug/l	91
22) Diisopropyl ether	3.84	45	91304	19.591	ug/l	95
23) Vinyl Acetate	3.80	43	288607	95.730	ug/l	97
24) 1,1-Dichloroethane	3.68	63	49835	18.437	ug/l	99
25) 2-Butanone	4.65	43	52134	96.771	ug/l	94
26) 2,2-Dichloropropane	4.56	77	48554	19.457	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	31417	18.074	ug/l	90
28) Bromochloromethane	5.00	49	22021	20.410	ug/l #	78
29) Tetrahydrofuran	5.11	42	30643	94.405	ug/l	100
30) Chloroform	5.19	83	55290	19.063	ug/l	95
31) Cyclohexane	5.56	56	38809	17.877	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	47306	18.727	ug/l	97
36) 1,1-Dichloropropene	5.78	75	36484	17.646	ug/l	95
37) Ethyl Acetate	4.82	43	21891	19.471	ug/l	98
38) Carbon Tetrachloride	5.76	117	39718	18.231	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	41182	17.162	ug/l	97
40) Benzene	6.13	78	105751	17.817	ug/l	97
41) Methacrylonitrile	5.03	41	13165	19.635	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42546	19.919	ug/l	97
43) Isopropyl Acetate	6.43	43	43520	19.037	ug/l	98
44) Trichloroethene	7.20	130	28395	17.737	ug/l	85
45) 1,2-Dichloropropane	7.50	63	29125	18.993	ug/l	99
46) Dibromomethane	7.65	93	16644	18.593	ug/l #	72
47) Bromodichloromethane	7.89	83	41281	18.142	ug/l	97
48) Methyl methacrylate	7.76	41	21669	18.852	ug/l	92
49) 1,4-Dioxane	7.73	88	5423	346.088	ug/l	90
51) 4-Methyl-2-Pentanone	8.64	43	113494	97.606	ug/l	98
52) Toluene	8.78	92	69706	18.050	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	42647	18.103	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	47702	18.209	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	23844	18.631	ug/l	97
56) Ethyl methacrylate	9.17	69	32976	17.988	ug/l	93
57) 1,3-Dichloropropane	9.37	76	41975	19.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	77554	93.837	ug/l	94
59) 2-Hexanone	9.48	43	82174	96.852	ug/l	97
60) Dibromochloromethane	9.57	129	27601	18.095	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23036	18.627	ug/l	97
64) Tetrachloroethene	9.33	164	24438	18.413	ug/l	90
65) Chlorobenzene	10.14	112	77082	18.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	29083	18.936	ug/l	98
67) Ethyl Benzene	10.25	91	139668	18.242	ug/l	96
68) m/p-Xylenes	10.35	106	104293	36.972	ug/l	90
69) o-Xylene	10.70	106	50084	18.310	ug/l	89
70) Styrene	10.71	104	88840	18.699	ug/l	95
71) Bromoform	10.85	173	14535	17.231	ug/l #	100
73) Isopropylbenzene	11.01	105	140061	18.736	ug/l	96
74) N-amyl acetate	10.89	43	42007	19.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	29875	19.170	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	26413m	21.218	ug/l	
77) Bromobenzene	11.25	156	32059	19.176	ug/l	70
78) n-propylbenzene	11.35	91	169750	18.796	ug/l	94
79) 2-Chlorotoluene	11.42	91	101492	18.550	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	124536	19.010	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	8724	16.568	ug/l	87
82) 4-Chlorotoluene	11.51	91	123691	18.967	ug/l	92
83) tert-Butylbenzene	11.77	119	120446	19.290	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	126813	18.835	ug/l	93
85) sec-Butylbenzene	11.94	105	145234	18.727	ug/l	94
86) p-Isopropyltoluene	12.06	119	130517	18.505	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	62672	18.708	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	62546	18.672	ug/l	93
89) n-Butylbenzene	12.39	91	126156	18.413	ug/l	96
90) Hexachloroethane	12.59	117	24609	17.475	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	58751	19.472	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6218	19.067	ug/l	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36601	17.043	µg/l	94
94) Hexachlorobutadiene	13.78	225	19658	18.159	µg/l	98
95) Naphthalene	13.83	128	77369	16.646	µg/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	32557	17.232	µg/l	95

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

