

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019326.D
 Acq On : 05 Nov 2020 19:47
 Operator : JC/MD
 Sample : L4616-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 9:23:25 AM

Quant Time: Nov 06 02:54:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	248227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	431564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	170440	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	5.46	113	135225	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	8.70	98	503228	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.12	95	194735	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	104985	50.733	ug/l	98
3) Chloromethane	1.31	50	125724	54.381	ug/l	99
4) Vinyl Chloride	1.39	62	149267	55.673	ug/l	99
5) Bromomethane	1.63	94	87401	47.733	ug/l	98
6) Chloroethane	1.71	64	98394	57.478	ug/l	97
7) Trichlorofluoromethane	1.92	101	223440	53.046	ug/l	96
8) Diethyl Ether	2.17	74	93096	57.588	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118979	50.961	ug/l	99
10) Methyl Iodide	2.49	142	131511	48.012	ug/l	99
11) Tert butyl alcohol	3.02	59	190874	301.882	ug/l	99
12) 1,1-Dichloroethene	2.36	96	129203	53.703	ug/l	99
13) Acrolein	2.28	56	94102	331.003	ug/l	98
14) Allyl chloride	2.71	41	206513	56.671	ug/l	98
15) Acrylonitrile	3.12	53	400259	301.252	ug/l	99
16) Acetone	2.42	43	330436	299.211	ug/l	99
17) Carbon Disulfide	2.55	76	340165	49.608	ug/l	100
18) Methyl Acetate	2.75	43	158797	59.132	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	487942	58.534	ug/l	98
20) Methylene Chloride	2.84	84	152609	55.043	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	146615	52.951	ug/l	95
22) Diisopropyl ether	3.82	45	441589	60.785	ug/l	98
23) Vinyl Acetate	3.79	43	1860091	287.120	ug/l	98
24) 1,1-Dichloroethane	3.67	63	261166	57.578	ug/l	100
25) 2-Butanone	4.64	43	531873	305.591	ug/l	98
26) 2,2-Dichloropropane	4.55	77	197655	46.353	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	170848	55.217	ug/l	99
28) Bromochloromethane	4.98	49	116769	56.627	ug/l	94
29) Tetrahydrofuran	5.09	42	344538	314.120	ug/l	98
30) Chloroform	5.18	83	275319	57.025	ug/l	99
31) Cyclohexane	5.55	56	209911	51.874	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	243213	55.563	ug/l	100
36) 1,1-Dichloropropene	5.77	75	202013	50.691	ug/l	99
37) Ethyl Acetate	4.79	43	203596	55.024	ug/l	99
38) Carbon Tetrachloride	5.76	117	204005	50.222	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	219463	46.056	ug/l	98
40) Benzene	6.11	78	605264	53.567	ug/l	99
41) Methacrylonitrile	5.00	41	112103	56.259	ug/l	100
42) 1,2-Dichloroethane	6.16	62	223751	53.731	ug/l	100
43) Isopropyl Acetate	6.41	43	340390	54.941	ug/l	99
44) Trichloroethene	7.19	130	158810	49.076	ug/l	93
45) 1,2-Dichloropropane	7.49	63	153009	55.286	ug/l	98
46) Dibromomethane	7.63	93	108340	52.939	ug/l	96
47) Bromodichloromethane	7.87	83	216831	53.753	ug/l	99
48) Methyl methacrylate	7.74	41	171224	57.419	ug/l	98
49) 1,4-Dioxane	7.73	88	75669	1141.032	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1051193	295.203	ug/l	99
52) Toluene	8.77	92	385803	53.014	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	238059	51.669	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	254974	52.627	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	155567	54.103	ug/l	99
56) Ethyl methacrylate	9.16	69	248346	57.181	ug/l	98
57) 1,3-Dichloropropane	9.35	76	262686	54.186	ug/l	99
59) 2-Hexanone	9.48	43	805298	297.092	ug/l	99
60) Dibromochloromethane	9.57	129	165356	52.989	ug/l	100
61) 1,2-Dibromoethane	9.65	107	165386	53.787	ug/l	99
64) Tetrachloroethene	9.32	164	131851	44.379	ug/l	97
65) Chlorobenzene	10.12	112	396917	49.800	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	150262	52.369	ug/l	100
67) Ethyl Benzene	10.24	91	722936	50.903	ug/l	98
68) m/p-Xylenes	10.34	106	544984	102.241	ug/l	97
69) o-Xylene	10.68	106	260847	51.593	ug/l	99
70) Stvrene	10.70	104	455397	52.791	ug/l	100
71) Bromoform	10.84	173	116444	51.185	ug/l	99
73) Isopropylbenzene	11.00	105	689840	49.758	ug/l	100
74) N-amyl acetate	10.88	43	287336	56.685	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	242786	56.035	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	219907m	54.378	ug/l	
77) Bromobenzene	11.24	156	171375	49.807	ug/l	92
78) n-propylbenzene	11.34	91	793930	50.166	ug/l	99
79) 2-Chlorotoluene	11.40	91	482141	51.747	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	591960	50.543	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	76802	50.004	ug/l	97
82) 4-Chlorotoluene	11.49	91	572353	50.304	ug/l	98
83) tert-Butylbenzene	11.76	119	559579	49.899	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	631664	53.422	ug/l	100
85) sec-Butylbenzene	11.93	105	659984	49.069	ug/l	99
86) p-Isopropyltoluene	12.05	119	610061	49.142	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	315152	49.183	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	315827	47.350	ug/l	98
89) n-Butylbenzene	12.37	91	566171	48.519	ug/l	99
90) Hexachloroethane	12.58	117	104814	49.672	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	303015	49.248	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57917	54.604	ug/l	96
93) 1,2,4-Trichlorobenzene	13.63	180	201522	43.604	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	76758	37.729	ug/l	97
95) Naphthalene	13.82	128	747615	51.362	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	206986	46.166	ug/l	97

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

