

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009815.D
 Acq On : 22 May 2019 19:27
 Operator : JC/SP
 Sample : K2977-14MSD 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4MSD

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:45:07 AM

Quant Time: May 23 08:19:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110757	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	78644	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	8.71	98	320833	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	118548	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63025	41.586	ug/l	99
3) Chloromethane	1.32	50	98496	47.603	ug/l	98
4) Vinyl Chloride	1.41	62	94006	46.592	ug/l	99
5) Bromomethane	1.64	94	62214	51.374	ug/l	98
6) Chloroethane	1.71	64	60248	46.509	ug/l	99
7) Trichlorofluoromethane	1.92	101	114712	46.773	ug/l	97
8) Diethyl Ether	2.19	74	55551	47.818	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67371	43.744	ug/l	99
10) Methyl Iodide	2.51	142	87768	49.135	ug/l	98
11) Tert butyl alcohol	3.05	59	130149	250.439	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70817	45.892	ug/l	95
13) Acrolein	2.29	56	104721	222.507	ug/l	100
14) Allyl chloride	2.73	41	178934	47.581	ug/l	98
15) Acrylonitrile	3.14	53	312491	245.927	ug/l	99
16) Acetone	2.45	43	265538	220.268	ug/l	96
17) Carbon Disulfide	2.57	76	209587	48.376	ug/l	99
18) Methyl Acetate	2.78	43	135172	47.148	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	288114	48.081	ug/l	99
20) Methylene Chloride	2.85	84	89477	45.841	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	78030	46.626	ug/l	94
22) Diisopropyl ether	3.85	45	355030	49.091	ug/l	95
23) Vinyl Acetate	3.81	43	1630347	263.261	ug/l	99
24) 1,1-Dichloroethane	3.70	63	168223	47.152	ug/l	98
25) 2-Butanone	4.68	43	466046	248.777	ug/l	96
26) 2,2-Dichloropropane	4.59	77	115279	43.411	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	93799	46.957	ug/l	98
28) Bromochloromethane	5.01	49	84962	59.691	ug/l	96
29) Tetrahydrofuran	5.13	42	312314	259.076	ug/l	98
30) Chloroform	5.21	83	154059	47.745	ug/l	99
31) Cyclohexane	5.58	56	157525	47.458	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	124523	46.358	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114921	46.040	ug/l	99
37) Ethyl Acetate	4.84	43	177416	51.013	ug/l	98
38) Carbon Tetrachloride	5.79	117	104370	46.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	141900	46.290	ug/l	99
40) Benzene	6.14	78	364321	47.161	ug/l	98
41) Methacrylonitrile	5.04	41	101378	48.969	ug/l	99
42) 1,2-Dichloroethane	6.19	62	135423	48.870	ug/l	99
43) Isopropyl Acetate	6.45	43	281552	50.612	ug/l	98
44) Trichloroethene	7.21	130	84163	45.066	ug/l	99
45) 1,2-Dichloropropane	7.51	63	104819	47.919	ug/l	99
46) Dibromomethane	7.66	93	60120	47.329	ug/l	100
47) Bromodichloromethane	7.90	83	120116	47.405	ug/l	100
48) Methyl methacrylate	7.77	41	142261	51.545	ug/l	98
49) 1,4-Dioxane	7.74	88	44166	789.085	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	941243	258.861	ug/l	98
52) Toluene	8.78	92	222945	47.477	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141935	49.615	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154082	48.662	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	90890	47.443	ug/l	95
56) Ethyl methacrylate	9.18	69	169964	49.700	ug/l	96
57) 1,3-Dichloropropane	9.37	76	161657	47.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	20968	11.558	ug/l	97
59) 2-Hexanone	9.49	43	724885	253.834	ug/l	97
60) Dibromochloromethane	9.58	129	90379	48.302	ug/l	98
61) 1,2-Dibromoethane	9.67	107	93484	48.341	ug/l	100
64) Tetrachloroethene	9.34	164	73391	42.824	ug/l	98
65) Chlorobenzene	10.13	112	230717	46.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	83304	45.974	ug/l	99
67) Ethyl Benzene	10.25	91	496525	53.981	ug/l	100
68) m/p-Xylenes	10.36	106	384554	114.407	ug/l	97
69) o-Xylene	10.69	106	172272	51.945	ug/l	98
70) Styrene	10.71	104	274110	47.554	ug/l	97
71) Bromoform	10.85	173	70238	47.700	ug/l	# 99
73) Isopropylbenzene	11.02	105	495239	54.897	ug/l	100
74) N-amyl acetate	10.90	43	261821	49.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	154825	46.038	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	132958m	46.204	ug/l	
77) Bromobenzene	11.26	156	102161	45.626	ug/l	99
78) n-propylbenzene	11.36	91	682860	66.280	ug/l	100
79) 2-Chlorotoluene	11.42	91	315738	49.674	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	510463	67.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52619	46.786	ug/l	98
82) 4-Chlorotoluene	11.51	91	348976	48.599	ug/l	96
83) tert-Butylbenzene	11.77	119	357628	48.399	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1149647	150.786	ug/l	99
85) sec-Butylbenzene	11.94	105	446709	50.991	ug/l	97
86) p-Isopropyltoluene	12.06	119	385436	48.940	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	182821	45.801	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182510	45.352	ug/l	99
89) n-Butylbenzene	12.38	91	379554	53.321	ug/l	95
90) Hexachloroethane	12.59	117	68527	51.073	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	181504	44.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35742	47.377	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129142	46.450	ug/l	98
94) Hexachlorobutadiene	13.78	225	63341	44.614	ug/l	99
95) Naphthalene	13.83	128	466324	51.555	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129630	45.997	ug/l	99

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

