

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013638.D
 Acq On : 27 Nov 2019 07:22
 Operator : JC/SP
 Sample : K5968-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

Manual Integrations
 APPROVED

apatel
 11/27/2019 4:29:11 PM

Quant Time: Nov 27 07:59:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	652384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1012990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	900733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	356381	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	301200	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1158224	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.14	95	410646	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	375104	51.657	ug/l	100
3) Chloromethane	1.32	50	410783	50.417	ug/l	99
4) Vinyl Chloride	1.40	62	478970	52.229	ug/l	99
5) Bromomethane	1.63	94	280455	45.538	ug/l	99
6) Chloroethane	1.71	64	257477	49.340	ug/l	99
7) Trichlorofluoromethane	1.92	101	500264	49.127	ug/l	98
8) Diethyl Ether	2.18	74	231412	50.231	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	301589	48.487	ug/l	99
10) Methyl Iodide	2.50	142	414075	55.034	ug/l	99
11) Tert butyl alcohol	3.03	59	451065	241.316	ug/l	99
12) 1,1-Dichloroethene	2.36	96	313702	50.528	ug/l	97
13) Acrolein	2.28	56	274325	220.183	ug/l	98
14) Allyl chloride	2.72	41	544088	48.291	ug/l	99
15) Acrylonitrile	3.13	53	972909	252.158	ug/l	99
16) Acetone	2.43	43	854538	228.563	ug/l	100
17) Carbon Disulfide	2.56	76	860285	48.607	ug/l	100
18) Methyl Acetate	2.76	43	497557	47.792	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1043135	50.718	ug/l	98
20) Methylene Chloride	2.84	84	349524	48.661	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	331846	49.064	ug/l	96
22) Diisopropyl ether	3.84	45	1108781	51.108	ug/l	99
23) Vinyl Acetate	3.80	43	4155080	230.225	ug/l	99
24) 1,1-Dichloroethane	3.69	63	602448	50.797	ug/l	99
25) 2-Butanone	4.65	43	1375614	247.569	ug/l	100
26) 2,2-Dichloropropane	4.58	77	332298	33.865	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	380955	49.046	ug/l	97
28) Bromochloromethane	5.00	49	239590	51.121	ug/l	100
29) Tetrahydrofuran	5.11	42	902518	263.479	ug/l	99
30) Chloroform	5.20	83	585295	48.662	ug/l	99
31) Cyclohexane	5.57	56	551846	49.333	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	502296	49.974	ug/l	99
36) 1,1-Dichloropropene	5.79	75	445043	48.398	ug/l	99
37) Ethyl Acetate	4.82	43	484953	47.011	ug/l	100
38) Carbon Tetrachloride	5.78	117	427130	50.375	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	539834	47.494	ug/l	98
40) Benzene	6.14	78	1375509	49.115	ug/l	100
41) Methacrylonitrile	5.03	41	289707	51.209	ug/l	99
42) 1,2-Dichloroethane	6.18	62	473148	49.538	ug/l	100
43) Isopropyl Acetate	6.43	43	806445	47.485	ug/l	100
44) Trichloroethene	7.21	130	365910	47.606	ug/l	96
45) 1,2-Dichloropropane	7.51	63	356491	50.876	ug/l	99
46) Dibromomethane	7.65	93	230671	48.470	ug/l	99
47) Bromodichloromethane	7.89	83	454180	50.483	ug/l	98
48) Methyl methacrylate	7.76	41	423679	51.344	ug/l	99
49) 1,4-Dioxane	7.73	88	191123	1034.748	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2713176	253.976	ug/l	100
52) Toluene	8.78	92	874303	50.252	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	489727	47.823	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	537693	48.060	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	350815	50.036	ug/l	98
56) Ethyl methacrylate	9.17	69	578901	51.356	ug/l	98
57) 1,3-Dichloropropane	9.37	76	589487	48.778	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.24	63	1567	0.355	ug/l	89
59) 2-Hexanone	9.49	43	2068484	248.264	ug/l	100
60) Dibromochloromethane	9.57	129	369307	50.755	ug/l	100
61) 1,2-Dibromoethane	9.67	107	371746	49.643	ug/l	99
64) Tetrachloroethene	9.33	164	323113	48.103	ug/l	97
65) Chlorobenzene	10.14	112	931487	49.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	345372	51.430	ug/l	100
67) Ethyl Benzene	10.25	91	1633765	50.840	ug/l	99
68) m/p-Xylenes	10.35	106	1257122	102.177	ug/l	99
69) o-Xylene	10.70	106	608862	50.741	ug/l	99
70) Styrene	10.71	104	1032979	51.176	ug/l	99
71) Bromoform	10.85	173	288424	51.908	ug/l #	99
73) Isopropylbenzene	11.01	105	1580835	50.940	ug/l	100
74) N-amyl acetate	10.89	43	686515	48.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	557560	51.808	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	431969m	43.412	ug/l	
77) Bromobenzene	11.25	156	418440	49.911	ug/l	99
78) n-propylbenzene	11.35	91	1762131	50.866	ug/l	99
79) 2-Chlorotoluene	11.42	91	1047987	50.430	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1314216	51.671	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	164718	45.288	ug/l	99
82) 4-Chlorotoluene	11.51	91	1211239	50.324	ug/l	99
83) tert-Butylbenzene	11.77	119	1349054	52.190	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1330474	51.542	ug/l	100
85) sec-Butylbenzene	11.94	105	1494194	50.608	ug/l	100
86) p-Isopropyltoluene	12.06	119	1377847	50.164	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	731448	50.051	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	716595	48.140	ug/l	99
89) n-Butylbenzene	12.39	91	1156335	49.360	ug/l	99
90) Hexachloroethane	12.59	117	251602	50.678	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	728344	50.442	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	123447	52.674	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	485337	48.229	ug/l	100
94) Hexachlorobutadiene	13.78	225	211382	43.727	ug/l	98
95) Naphthalene	13.83	128	1549345	51.699	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	485076	48.684	ug/l	99

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

