

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013488.D
 Acq On : 20 Nov 2019 19:28
 Operator : JC/SP
 Sample : K5958-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3MSD

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:54:29 AM

Quant Time: Nov 21 08:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	634698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	967654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	890339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	443411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	352693	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	5.48	113	293097	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	8.71	98	1098115	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.14	95	419114	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	301622	41.245	ug/l	99
3) Chloromethane	1.31	50	314319	39.634	ug/l	97
4) Vinyl Chloride	1.40	62	390662	43.270	ug/l	100
5) Bromomethane	1.62	94	239436	38.056	ug/l	98
6) Chloroethane	1.70	64	221783	42.801	ug/l	99
7) Trichlorofluoromethane	1.91	101	447565	41.959	ug/l	100
8) Diethyl Ether	2.18	74	212085	44.962	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	279407	46.997	ug/l	98
10) Methyl Iodide	2.50	142	295393	40.131	ug/l	98
11) Tert butyl alcohol	3.05	59	614568	310.096	ug/l	100
12) 1,1-Dichloroethene	2.36	96	274283	47.111	ug/l	97
13) Acrolein	2.28	56	221138	205.879	ug/l	98
14) Allyl chloride	2.72	41	520222	49.178	ug/l	95
15) Acrylonitrile	3.13	53	989024	267.157	ug/l	99
16) Acetone	2.44	43	929802	247.913	ug/l	99
17) Carbon Disulfide	2.56	76	660867	42.410	ug/l	100
18) Methyl Acetate	2.76	43	555809	53.679	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	993902	51.184	ug/l	99
20) Methylene Chloride	2.84	84	322610	46.556	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	290494	45.826	ug/l	99
22) Diisopropyl ether	3.84	45	1024068	50.144	ug/l	99
23) Vinyl Acetate	3.80	43	4201376	240.414	ug/l	100
24) 1,1-Dichloroethane	3.69	63	556019	48.669	ug/l	99
25) 2-Butanone	4.66	43	1491757	271.126	ug/l	99
26) 2,2-Dichloropropane	4.57	77	432738	47.614	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	354945	49.985	ug/l	98
28) Bromochloromethane	5.00	49	152533	47.023	ug/l	97
29) Tetrahydrofuran	5.11	42	932280	274.960	ug/l	99
30) Chloroform	5.20	83	578549	51.285	ug/l	97
31) Cyclohexane	5.56	56	481357	46.824	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	464321	47.827	ug/l	99
36) 1,1-Dichloropropene	5.79	75	397431	47.876	ug/l	99
37) Ethyl Acetate	4.82	43	522657	50.953	ug/l	99
38) Carbon Tetrachloride	5.78	117	387564	47.744	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	568669	54.978	ug/l	98
40) Benzene	6.13	78	1259548	48.710	ug/l	100
41) Methacrylonitrile	5.03	41	290185	50.472	ug/l	98
42) 1,2-Dichloroethane	6.18	62	443893	47.591	ug/l	99
43) Isopropyl Acetate	6.43	43	839239	52.542	ug/l	99
44) Trichloroethene	7.20	130	340076	47.778	ug/l	98
45) 1,2-Dichloropropane	7.51	63	329640	50.032	ug/l	98
46) Dibromomethane	7.65	93	220520	49.021	ug/l	99
47) Bromodichloromethane	7.89	83	435441	51.332	ug/l	97
48) Methyl methacrylate	7.76	41	420239	52.706	ug/l	96
49) 1,4-Dioxane	7.73	88	218724	1197.848	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2903687	277.080	ug/l	99
52) Toluene	8.78	92	790041	49.295	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	488852	52.701	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	529951	51.074	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	324048	48.781	ug/l	98
56) Ethyl methacrylate	9.17	69	569086	50.175	ug/l	99
57) 1,3-Dichloropropane	9.37	76	566603	50.246	ug/l	100
59) 2-Hexanone	9.49	43	2278325	281.330	ug/l	97
60) Dibromochloromethane	9.58	129	361100	53.151	ug/l	98
61) 1,2-Dibromoethane	9.67	107	352950	50.036	ug/l	99
64) Tetrachloroethene	9.33	164	289689	45.451	ug/l	98
65) Chlorobenzene	10.14	112	868777	48.198	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	330784	49.979	ug/l	99
67) Ethyl Benzene	10.25	91	6912756	222.205	ug/l	96
68) m/p-Xylenes	10.35	106	3058436	259.951	ug/l	98
69) o-Xylene	10.70	106	1916768	166.404	ug/l	99
70) Stvrene	10.71	104	1052988	54.687	ug/l #	81
71) Bromoform	10.85	173	286082	46.836	ug/l	99
73) Isopropylbenzene	11.01	105	7741496	263.327	ug/l	98
74) N-amyl acetate	10.89	43	821861	60.285	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	11.26	83	601271	56.062	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	500328m	55.553	ug/l	
77) Bromobenzene	11.25	156	402932	51.412	ug/l	99
78) n-propylbenzene	11.35	91	12392307	378.408	ug/l	88
79) 2-Chlorotoluene	11.42	91	1349976	68.419	ug/l	85
80) 1,3,5-Trimethylbenzene	11.50	105	5443500	222.296	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	186523	53.308	ug/l	97
82) 4-Chlorotoluene	11.51	91	1607304	69.590	ug/l	85
83) tert-Butylbenzene	11.77	119	1888384	76.607	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	18937603m	770.928	ug/l	
85) sec-Butylbenzene	11.95	105	4240707	149.687	ug/l	82
86) p-Isopropyltoluene	12.06	119	2606766	99.924	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	705803	50.522	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	718688	50.493	ug/l	99
89) n-Butylbenzene	12.39	91	3012831	132.356	ug/l #	80
90) Hexachloroethane	12.59	117	607800	130.765	ug/l #	43
91) 1,2-Dichlorobenzene	12.39	146	701930	50.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	161287	61.725	ug/l	84
93) 1,2,4-Trichlorobenzene	13.64	180	500659	51.398	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	213503	44.801	ug/l	100
95) Naphthalene	13.83	128	3626242	118.652	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	503109	51.501	ug/l	99

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

