

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012487.D
 Acq On : 18 Sep 2019 20:28
 Operator : JC/SP
 Sample : K4830-12MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:05:55 PM

Quant Time: Sep 19 07:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	143057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103942	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	5.49	113	76462	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	8.71	98	269074	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.14	95	110399	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	45344	47.528	ug/l	99
3) Chloromethane	1.32	50	40261	51.191	ug/l	98
4) Vinyl Chloride	1.40	62	42858	50.418	ug/l	93
5) Bromomethane	1.62	94	15354	45.975	ug/l	96
6) Chloroethane	1.70	64	30956	46.537	ug/l	93
7) Trichlorofluoromethane	1.92	101	77726	49.880	ug/l	98
8) Diethyl Ether	2.18	74	35542	50.498	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54463	48.306	ug/l	98
10) Methyl Iodide	2.50	142	48954	50.544	ug/l	98
11) Tert butyl alcohol	3.04	59	132611	255.173	ug/l	100
12) 1,1-Dichloroethene	2.36	96	44759	49.765	ug/l	98
13) Acrolein	2.28	56	50051	278.196	ug/l	100
14) Allyl chloride	2.72	41	107341	51.262	ug/l	97
15) Acrylonitrile	3.13	53	271828	305.951	ug/l	98
16) Acetone	2.44	43	251744	269.336	ug/l	100
17) Carbon Disulfide	2.56	76	55758	44.058	ug/l	98
18) Methyl Acetate	2.76	43	119508	55.937	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	257517	52.513	ug/l	# 85
20) Methylene Chloride	2.84	84	63897	51.495	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	47501	50.859	ug/l	97
22) Diisopropyl ether	3.84	45	253227	51.649	ug/l	99
23) Vinyl Acetate	3.80	43	1053900	261.313	ug/l	99
24) 1,1-Dichloroethane	3.69	63	122273	52.124	ug/l	99
25) 2-Butanone	4.66	43	393294	276.537	ug/l	98
26) 2,2-Dichloropropane	4.57	77	94864	41.119	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	73492	52.675	ug/l	93
28) Bromochloromethane	5.00	49	63621	52.607	ug/l	96
29) Tetrahydrofuran	5.12	42	240916	306.632	ug/l	99
30) Chloroform	5.20	83	137193	50.924	ug/l	99
31) Cyclohexane	5.56	56	131823	93.091	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	110737	49.179	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71837	47.979	ug/l	97
37) Ethyl Acetate	4.83	43	130156	56.631	ug/l	97
38) Carbon Tetrachloride	5.78	117	87945	47.227	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	203438	139.768	ug/l	99
40) Benzene	6.14	78	242835	51.003	ug/l	99
41) Methacrylonitrile	5.03	41	79456	53.691	ug/l	97
42) 1,2-Dichloroethane	6.18	62	110529	50.051	ug/l	99
43) Isopropyl Acetate	6.43	43	215404	52.219	ug/l	99
44) Trichloroethene	7.20	130	63394	50.616	ug/l	98
45) 1,2-Dichloropropane	7.51	63	75156	51.379	ug/l	99
46) Dibromomethane	7.65	93	48510	51.247	ug/l	97
47) Bromodichloromethane	7.89	83	108395	51.429	ug/l	98
48) Methyl methacrylate	7.76	41	110571	56.864	ug/l	94
49) 1,4-Dioxane	7.73	88	48114	1016.659	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	767032	283.544	ug/l	99
52) Toluene	8.78	92	156014	50.852	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	107879	49.239	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	113204	49.909	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	79278	50.156	ug/l	97
56) Ethyl methacrylate	9.17	69	142561	57.687	ug/l	97
57) 1,3-Dichloropropane	9.37	76	133028	52.749	ug/l	98
59) 2-Hexanone	9.49	43	581233	275.404	ug/l	96
60) Dibromochloromethane	9.58	129	86232	53.559	ug/l	99
61) 1,2-Dibromoethane	9.67	107	79255	54.902	ug/l	99
64) Tetrachloroethene	9.33	164	51998	50.778	ug/l	89
65) Chlorobenzene	10.14	112	183184	49.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	81098	52.979	ug/l	99
67) Ethyl Benzene	10.25	91	338160	53.364	ug/l	98
68) m/p-Xylenes	10.35	106	259937	112.738	ug/l	100
69) o-Xylene	10.70	106	125437	52.901	ug/l	100
70) Stvrene	10.71	104	217062	51.739	ug/l	99
71) Bromoform	10.85	173	61886	47.129	ug/l #	100
73) Isopropylbenzene	11.01	105	832262	125.630	ug/l	98
74) N-amyl acetate	10.89	43	188172	52.759	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	145167	55.861	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135292m	55.783	ug/l	
77) Bromobenzene	11.25	156	84908	52.554	ug/l	98
78) n-propylbenzene	11.35	91	911908	123.506	ug/l	99
79) 2-Chlorotoluene	11.42	91	241706	50.320	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	286902	50.781	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	41667	47.341	ug/l	98
82) 4-Chlorotoluene	11.51	91	272415	49.415	ug/l	99
83) tert-Butylbenzene	11.77	119	312450	51.610	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1606868	276.996	ug/l	98
85) sec-Butylbenzene	11.94	105	414718	62.167	ug/l	94
86) p-Isopropyltoluene	12.06	119	324538	52.979	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	152639	50.224	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	157206	50.356	ug/l	99
89) n-Butylbenzene	12.39	91	293083	53.623	ug/l	94
90) Hexachloroethane	12.59	117	67449	60.050	ug/l	87
91) 1,2-Dichlorobenzene	12.39	146	163158	51.364	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41082	60.977	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	101107	49.416	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	40022	41.503	ug/l	98
95) Naphthalene	13.83	128	738226	101.402	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	106717	51.184	ug/l	97

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

