

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012488.D
 Acq On : 18 Sep 2019 20:51
 Operator : JC/SP
 Sample : K4830-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:00 PM

Quant Time: Sep 19 07:59:55 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	200533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	334953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	131332	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
35) Dibromofluoromethane	5.48	113	99699	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	354907	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.14	95	144875	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	59542	44.547	ug/l	98
3) Chloromethane	1.32	50	50895	46.164	ug/l	99
4) Vinyl Chloride	1.40	62	56661	47.551	ug/l	95
5) Bromomethane	1.63	94	20345	43.459	ug/l	99
6) Chloroethane	1.71	64	47604	51.052	ug/l	99
7) Trichlorofluoromethane	1.92	101	106525	48.768	ug/l	98
8) Diethyl Ether	2.18	74	45970	46.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74676	47.250	ug/l	98
10) Methyl Iodide	2.50	142	64001	47.440	ug/l	96
11) Tert butyl alcohol	3.03	59	140615	191.559	ug/l	100
12) 1,1-Dichloroethene	2.36	96	61403	48.703	ug/l	97
13) Acrolein	2.28	56	62550	247.838	ug/l	100
14) Allyl chloride	2.72	41	135408	46.132	ug/l	99
15) Acrylonitrile	3.13	53	297766	239.087	ug/l	97
16) Acetone	2.44	43	264472	199.794	ug/l	97
17) Carbon Disulfide	2.56	76	80753	45.460	ug/l	99
18) Methyl Acetate	2.76	43	133044	44.424	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	325841	47.401	ug/l	# 84
20) Methylene Chloride	2.84	84	82191	47.253	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	63623	48.596	ug/l	92
22) Diisopropyl ether	3.84	45	322969	46.993	ug/l	98
23) Vinyl Acetate	3.80	43	1308076	231.376	ug/l	99
24) 1,1-Dichloroethane	3.69	63	158697	48.261	ug/l	98
25) 2-Butanone	4.66	43	422568	211.961	ug/l	100
26) 2,2-Dichloropropane	4.57	77	125686	38.864	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93645	47.882	ug/l	96
28) Bromochloromethane	5.00	49	80101	47.250	ug/l	96
29) Tetrahydrofuran	5.12	42	259766	235.861	ug/l	100
30) Chloroform	5.20	83	173823	46.028	ug/l	99
31) Cyclohexane	5.57	56	189997	95.716	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	149076	47.230	ug/l	99
36) 1,1-Dichloropropene	5.79	75	96431	47.370	ug/l	98
37) Ethyl Acetate	4.82	43	148671	47.578	ug/l	98
38) Carbon Tetrachloride	5.78	117	119996	47.395	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	288471	145.769	ug/l	99
40) Benzene	6.14	78	316826	48.943	ug/l	98
41) Methacrylonitrile	5.03	41	90869	45.163	ug/l	98
42) 1,2-Dichloroethane	6.18	62	139306	46.398	ug/l	99
43) Isopropyl Acetate	6.43	43	260330	46.418	ug/l	99
44) Trichloroethene	7.20	130	83636	49.115	ug/l	97
45) 1,2-Dichloropropane	7.51	63	96643	48.594	ug/l	99
46) Dibromomethane	7.65	93	62299	48.407	ug/l	98
47) Bromodichloromethane	7.89	83	140873	49.160	ug/l	96
48) Methyl methacrylate	7.76	41	133435	50.472	ug/l	94
49) 1,4-Dioxane	7.73	88	49695	772.333	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	861261	234.169	ug/l	99
52) Toluene	8.78	92	207982	49.861	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	144644	48.558	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	149932	48.618	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101730	47.338	ug/l	96
56) Ethyl methacrylate	9.17	69	180017	53.577	ug/l	96
57) 1,3-Dichloropropane	9.37	76	165450	48.253	ug/l	100
59) 2-Hexanone	9.49	43	639211	222.768	ug/l	97
60) Dibromochloromethane	9.58	129	110533	50.495	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99432	50.661	ug/l	99
64) Tetrachloroethene	9.33	164	67214	48.778	ug/l	96
65) Chlorobenzene	10.14	112	240291	48.415	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	102931	49.971	ug/l	98
67) Ethyl Benzene	10.25	91	451076	52.900	ug/l	99
68) m/p-Xylenes	10.35	106	351634	113.338	ug/l	98
69) o-Xylene	10.70	106	165730	51.942	ug/l	99
70) Stvrene	10.71	104	287446	50.918	ug/l	99
71) Bromoform	10.85	173	79955	45.365	ug/l #	99
73) Isopropylbenzene	11.01	105	1130791	123.779	ug/l	99
74) N-amyl acetate	10.89	43	236072	47.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	174801	48.777	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	160152m	47.885	ug/l	
77) Bromobenzene	11.25	156	112511	50.499	ug/l	95
78) n-propylbenzene	11.35	91	1254546	123.213	ug/l	99
79) 2-Chlorotoluene	11.42	91	321955	48.605	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	385402	49.467	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48944	40.784	ug/l	97
82) 4-Chlorotoluene	11.51	91	367322	48.317	ug/l	100
83) tert-Butylbenzene	11.76	119	422635	50.624	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2136710	267.098	ug/l	98
85) sec-Butylbenzene	11.94	105	583382	63.415	ug/l	95
86) p-Isopropyltoluene	12.06	119	455350	53.904	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	209330	49.947	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	211608	49.153	ug/l	99
89) n-Butylbenzene	12.38	91	415864	55.175	ug/l	94
90) Hexachloroethane	12.59	117	96323	62.187	ug/l	89
91) 1,2-Dichlorobenzene	12.38	146	217439	49.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	49497	53.275	ug/l	94
93) 1,2,4-Trichlorobenzene	13.64	180	145286	51.493	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	61913	46.558	ug/l	99
95) Naphthalene	13.83	128	953853	95.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	150603	52.380	ug/l	96

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

