

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013215.D
 Acq On : 24 Oct 2019 16:39
 Operator : JC/SP
 Sample : K5532-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MSD

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:53:45 PM

Quant Time: Oct 25 05:00:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	82630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	119275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	120391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	83902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	85362	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	68106	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	8.71	98	247614	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.14	95	97089	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	76080	45.630	ug/l	99
3) Chloromethane	1.32	50	61636	44.989	ug/l	98
4) Vinyl Chloride	1.40	62	94974	63.295	ug/l	97
5) Bromomethane	1.63	94	33633	42.289	ug/l	98
6) Chloroethane	1.71	64	44091	52.642	ug/l	99
7) Trichlorofluoromethane	1.92	101	116325	49.134	ug/l	98
8) Diethyl Ether	2.18	74	38493	47.401	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67642	46.129	ug/l	99
10) Methyl Iodide	2.50	142	78300	42.923	ug/l	99
11) Tert butyl alcohol	3.03	59	87008	231.989	ug/l	100
12) 1,1-Dichloroethene	2.36	96	69999	49.729	ug/l	96
13) Acrolein	2.28	56	49876	245.975	ug/l	96
14) Allyl chloride	2.72	41	101783	45.931	ug/l	99
15) Acrylonitrile	3.13	53	180439	236.867	ug/l	99
16) Acetone	2.44	43	167666	205.924	ug/l	96
17) Carbon Disulfide	2.56	76	168408	44.502	ug/l	99
18) Methyl Acetate	2.76	43	88292	49.668	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	235681	47.547	ug/l	95
20) Methylene Chloride	2.85	84	74356	48.841	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	454867	308.098	ug/l	90
22) Diisopropyl ether	3.84	45	202403	46.712	ug/l	96
23) Vinyl Acetate	3.80	43	898753	244.039	ug/l	100
24) 1,1-Dichloroethane	3.69	63	124178	46.593	ug/l	100
25) 2-Butanone	4.66	43	245043	224.410	ug/l	100
26) 2,2-Dichloropropane	4.58	77	115008	46.692	ug/l #	32
27) cis-1,2-Dichloroethene	4.58	96	1049042	608.537	ug/l	89
28) Bromochloromethane	5.00	49	33204	48.316	ug/l	97
29) Tetrahydrofuran	5.12	42	155197	235.796	ug/l	99
30) Chloroform	5.20	83	134176	47.285	ug/l	96
31) Cyclohexane	5.57	56	105395	47.155	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	124140	49.203	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97437	48.800	ug/l	99
37) Ethyl Acetate	4.82	43	94730	47.660	ug/l #	80
38) Carbon Tetrachloride	5.78	117	107154	48.604	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117537	46.031	ug/l	99
40) Benzene	6.14	78	283544	47.328	ug/l	98
41) Methacrylonitrile	5.03	41	52594	49.355	ug/l	99
42) 1,2-Dichloroethane	6.18	62	110286	48.824	ug/l	99
43) Isopropyl Acetate	6.43	43	160365	48.594	ug/l	100
44) Trichloroethene	7.21	130	2329690	1370.131	ug/l	95
45) 1,2-Dichloropropane	7.51	63	70555	47.020	ug/l	100
46) Dibromomethane	7.65	93	51000	47.175	ug/l	97
47) Bromodichloromethane	7.89	83	104463	49.583	ug/l	99
48) Methyl methacrylate	7.76	41	79203	48.559	ug/l	99
49) 1,4-Dioxane	7.73	88	35113	845.835	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	485362	241.293	ug/l	100
52) Toluene	8.78	92	185883	46.818	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	115410	51.548	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	122922	50.189	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	75642	48.188	ug/l	98
56) Ethyl methacrylate	9.17	69	118093	49.985	ug/l	100
57) 1,3-Dichloropropane	9.37	76	125708	47.462	ug/l	99
59) 2-Hexanone	9.49	43	370054	238.830	ug/l	98
60) Dibromochloromethane	9.58	129	83541	50.790	ug/l	97
61) 1,2-Dibromoethane	9.67	107	81399	48.846	ug/l	100
64) Tetrachloroethene	9.33	164	74676	50.282	ug/l	99
65) Chlorobenzene	10.14	112	199993	47.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77157	49.560	ug/l	98
67) Ethyl Benzene	10.25	91	362045	47.987	ug/l	99
68) m/p-Xylenes	10.35	106	268228	94.073	ug/l	99
69) o-Xylene	10.70	106	128439	46.958	ug/l	96
70) Styrene	10.71	104	227923	48.394	ug/l	99
71) Bromoform	10.85	173	60277	52.988	ug/l #	99
73) Isopropylbenzene	11.01	105	364104	47.788	ug/l	99
74) N-amyl acetate	10.89	43	136647	48.865	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	108299	46.813	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	106385m	52.609	ug/l	
77) Bromobenzene	11.25	156	86211	47.211	ug/l	97
78) n-propylbenzene	11.35	91	389278	47.036	ug/l	98
79) 2-Chlorotoluene	11.42	91	247271	47.287	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	308570	48.725	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	34889	47.411	ug/l	94
82) 4-Chlorotoluene	11.51	91	274766	46.375	ug/l	99
83) tert-Butylbenzene	11.76	119	299469	47.796	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	314178	49.184	ug/l	99
85) sec-Butylbenzene	11.94	105	340467	47.750	ug/l	100
86) p-Isopropyltoluene	12.06	119	321400	47.980	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	158162	47.943	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	157721	46.957	ug/l	97
89) n-Butylbenzene	12.38	91	264131	48.202	ug/l	100
90) Hexachloroethane	12.59	117	54630	48.699	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	156405	48.214	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28538	49.606	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	100661	49.278	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	47345	44.806	ug/l	95
95) Naphthalene	13.83	128	319198	50.914	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	97747	48.425	ug/l	99

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

