

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005628.D
 Acq On : 27 Oct 2018 02:28
 Operator : JC/MD
 Sample : VX1026WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:41:51 PM

Quant Time: Oct 27 06:34:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	133854	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	5.50	113	103433	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
50) Toluene-d8	8.71	98	382764	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	11.14	95	142076	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59259	26.995	ug/l	99
3) Chloromethane	1.32	50	66745	23.876	ug/l	91
4) Vinyl Chloride	1.40	62	58630	21.329	ug/l	98
5) Bromomethane	1.64	94	35320	20.650	ug/l	97
6) Chloroethane	1.72	64	35376	20.146	ug/l	94
7) Trichlorofluoromethane	1.93	101	79213	20.739	ug/l	86
8) Diethyl Ether	2.19	74	30632	20.096	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44511	20.311	ug/l	99
10) Methyl Iodide	2.51	142	44805	21.235	ug/l	100
11) Tert butyl alcohol	3.06	59	77576	106.190	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44039	21.095	ug/l	91
13) Acrolein	2.29	56	34886	93.615	ug/l	99
14) Allyl chloride	2.73	41	92156	19.780	ug/l	98
15) Acrylonitrile	3.15	53	165064	100.763	ug/l	98
16) Acetone	2.45	43	153460	106.976	ug/l	100
17) Carbon Disulfide	2.57	76	128539	20.198	ug/l	97
18) Methyl Acetate	2.78	43	81059	22.056	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	154345	20.726	ug/l	94
20) Methylene Chloride	2.86	84	48788	20.307	ug/l	# 82
21) trans-1,2-Dichloroethene	3.16	96	46193	20.266	ug/l	89
22) Diisopropyl ether	3.87	45	170406	20.944	ug/l	90
23) Vinyl Acetate	3.82	43	732747	102.258	ug/l	100
24) 1,1-Dichloroethane	3.69	63	91739	20.739	ug/l	98
25) 2-Butanone	4.70	43	232226	106.307	ug/l	95
26) 2,2-Dichloropropane	4.59	77	53065	15.538	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	48933	19.913	ug/l	97
28) Bromochloromethane	5.02	49	45114	21.086	ug/l	96
29) Tetrahydrofuran	5.15	42	148650	104.564	ug/l	99
30) Chloroform	5.22	83	84435	20.406	ug/l	95
31) Cyclohexane	5.59	56	74280	20.295	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	72848	19.947	ug/l	99
36) 1,1-Dichloropropene	5.80	75	58212	17.980	ug/l	98
37) Ethyl Acetate	4.85	43	83547	20.222	ug/l	100
38) Carbon Tetrachloride	5.78	117	63746	18.694	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66024	18.468	ug/l	97
40) Benzene	6.14	78	179006	19.288	ug/l	99
41) Methacrylonitrile	5.06	41	44278	19.240	ug/l	97
42) 1,2-Dichloroethane	6.20	62	70752	20.067	ug/l	99
43) Isopropyl Acetate	6.46	43	116619	18.837	ug/l	99
44) Trichloroethene	7.21	130	49815	19.702	ug/l	99
45) 1,2-Dichloropropane	7.51	63	47799	19.156	ug/l	97
46) Dibromomethane	7.66	93	31466	19.525	ug/l	96
47) Bromodichloromethane	7.90	83	58071	18.566	ug/l	96
48) Methyl methacrylate	7.77	41	58316	19.335	ug/l	99
49) 1,4-Dioxane	7.75	88	25764	390.894	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	405859	97.545	ug/l	99
52) Toluene	8.79	92	110697	19.625	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60964	18.034	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	67189	18.461	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45100	18.965	ug/l	97
56) Ethyl methacrylate	9.18	69	67755	19.102	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76360	18.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	185569	93.670	ug/l	100
59) 2-Hexanone	9.49	43	316727	96.547	ug/l	100
60) Dibromochloromethane	9.59	129	46432	18.714	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46830	19.035	ug/l	100
64) Tetrachloroethene	9.34	164	51562	21.304	ug/l	98
65) Chlorobenzene	10.14	112	122954	19.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	45011	19.883	ug/l	100
67) Ethyl Benzene	10.25	91	207605	20.324	ug/l	99
68) m/p-Xylenes	10.36	106	159770	40.315	ug/l	100
69) o-Xylene	10.70	106	77477	20.780	ug/l	99
70) Styrene	10.71	104	127638	20.450	ug/l	100
71) Bromoform	10.86	173	38334	18.976	ug/l #	98
73) Isopropylbenzene	11.02	105	212054	21.408	ug/l	100
74) N-amyl acetate	10.90	43	98870	20.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72571	19.859	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	69301m	20.185	ug/l	
77) Bromobenzene	11.26	156	55887	20.245	ug/l	100
78) n-propylbenzene	11.36	91	240838	21.264	ug/l	100
79) 2-Chlorotoluene	11.42	91	145863	20.771	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	178720	21.092	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18731	17.827	ug/l	96
82) 4-Chlorotoluene	11.51	91	170968	20.646	ug/l	99
83) tert-Butylbenzene	11.77	119	174310	20.637	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	185330	21.581	ug/l	99
85) sec-Butylbenzene	11.94	105	211279	20.963	ug/l	100
86) p-Isopropyltoluene	12.07	119	191822	21.291	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	104342	20.101	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	104697	19.322	ug/l	99
89) n-Butylbenzene	12.39	91	161743	19.886	ug/l	99
90) Hexachloroethane	12.60	117	29994	19.302	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	105894	20.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17516	19.824	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	75274	19.772	ug/l	99
94) Hexachlorobutadiene	13.79	225	36702	18.603	ug/l	99
95) Naphthalene	13.83	128	231801	20.946	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	78405	20.316	ug/l	99

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

