

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003947.D
 Acq On : 16 Jul 2018 12:49
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:04 AM

Quant Time: Jul 16 14:43:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	402273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60389	18.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.42%	
35) Dibromofluoromethane	7.88	113	52812	18.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.54%	
50) Toluene-d8	10.33	98	208053	18.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.98%	
62) 4-Bromofluorobenzene	12.62	95	75246	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33683	23.41	ug/l	94
3) Chloromethane	2.20	50	44125	19.31	ug/l	99
4) Vinyl Chloride	2.35	62	60411	19.36	ug/l	98
5) Bromomethane	2.77	94	39467	19.64	ug/l	93
6) Chloroethane	2.92	64	34256	18.63	ug/l	99
7) Trichlorofluoromethane	3.25	101	24488	18.79	ug/l	90
8) Diethyl Ether	3.67	74	28142	19.84	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	56274	20.65	ug/l	97
10) Methyl Iodide	4.26	142	80566	19.97	ug/l	98
11) Tert butyl alcohol	5.21	59	19331m	94.43	ug/l	
12) 1,1-Dichloroethene	4.03	96	54638	20.41	ug/l	96
13) Acrolein	3.89	56	23219	98.74	ug/l	100
14) Allyl chloride	4.65	41	89464	19.20	ug/l	98
15) Acrylonitrile	5.37	53	70821	101.19	ug/l	100
16) Acetone	4.13	43	66052	94.02	ug/l	97
17) Carbon Disulfide	4.37	76	175221	20.25	ug/l	100
18) Methyl Acetate	4.67	43	34129	19.35	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	106436	20.15	ug/l	96
20) Methylene Chloride	4.91	84	82316	17.73	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	61175	19.88	ug/l	97
22) Diisopropyl ether	6.31	45	188596	19.59	ug/l	99
23) Vinyl Acetate	6.26	43	586870	99.51	ug/l	100
24) 1,1-Dichloroethane	6.21	63	114393	19.84	ug/l	99
25) 2-Butanone	7.18	43	98073	100.27	ug/l	100
26) 2,2-Dichloropropane	7.17	77	66978	20.49	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	66761	20.09	ug/l	98
28) Bromochloromethane	7.51	49	46806	18.68	ug/l #	99
29) Tetrahydrofuran	7.53	42	61111	98.91	ug/l	100
30) Chloroform	7.68	83	114789	19.80	ug/l	95
31) Cyclohexane	7.95	56	103113	19.38	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	88995	19.77	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92772	20.34	ug/l	99
37) Ethyl Acetate	7.26	43	42482	20.07	ug/l	99
38) Carbon Tetrachloride	8.07	117	85680	20.07	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105004	20.23	ug/l	97
40) Benzene	8.32	78	258918	20.30	ug/l	98
41) Methacrylonitrile	7.49	41	23954	19.69	ug/l	95
42) 1,2-Dichloroethane	8.40	62	78347	19.94	ug/l	100
43) Isopropyl Acetate	8.43	43	79794	20.00	ug/l	99
44) Trichloroethene	9.09	130	66574	20.45	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66106	20.21	ug/l	100
46) Dibromomethane	9.46	93	34012	20.26	ug/l	100
47) Bromodichloromethane	9.65	83	83358	19.97	ug/l	99
48) Methyl methacrylate	9.44	41	38601	20.19	ug/l	99
49) 1,4-Dioxane	9.46	88	9463	370.46	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	211895	99.87	ug/l	100
52) Toluene	10.39	92	160229	20.19	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	85866	20.08	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99363	20.31	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	47053	19.81	ug/l	98
56) Ethyl methacrylate	10.65	69	57917	19.48	ug/l	97
57) 1,3-Dichloropropane	10.94	76	82244	19.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145745	104.30	ug/l	99
59) 2-Hexanone	10.98	43	150636	102.53	ug/l	96
60) Dibromochloromethane	11.13	129	54557	19.82	ug/l	100
61) 1,2-Dibromoethane	11.24	107	45261	20.40	ug/l	98
64) Tetrachloroethene	10.87	164	55062	19.24	ug/l	98
65) Chlorobenzene	11.66	112	173321	19.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	60453	20.09	ug/l	99
67) Ethyl Benzene	11.74	91	305363	20.20	ug/l	97
68) m/p-Xylenes	11.85	106	234380	40.32	ug/l	99
69) o-Xylene	12.17	106	109535	20.44	ug/l	98
70) Styrene	12.19	104	180621	20.01	ug/l	100
71) Bromoform	12.35	173	33074	20.03	ug/l #	98
73) Isopropylbenzene	12.47	105	297093	20.34	ug/l	100
74) N-amyl acetate	12.28	43	76130	20.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	57140	20.50	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41735m	18.17	ug/l	
77) Bromobenzene	12.76	156	71802	20.54	ug/l	98
78) n-propylbenzene	12.81	91	368839	20.43	ug/l	100
79) 2-Chlorotoluene	12.90	91	208654	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	255760	20.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	17960	20.76	ug/l	96
82) 4-Chlorotoluene	12.99	91	222335	20.23	ug/l	99
83) tert-Butylbenzene	13.21	119	209427	20.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	261765	20.45	ug/l	99
85) sec-Butylbenzene	13.39	105	312824	20.23	ug/l	99
86) p-Isopropyltoluene	13.51	119	276042	20.37	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	144239	20.44	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	142974	20.19	ug/l	99
89) n-Butylbenzene	13.83	91	269908	20.25	ug/l	99
90) Hexachloroethane	14.10	117	49701	19.79	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	129281	20.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9867	20.31	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	89592	20.57	ug/l	98
94) Hexachlorobutadiene	15.25	225	50680	20.18	ug/l	99
95) Naphthalene	15.38	128	157288	20.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	77699	20.12	ug/l	97

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

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