

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004735.D
 Acq On : 17 Aug 2018 15:54
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:39 AM

Quant Time: Aug 18 01:30:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	640791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	991125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	937220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	506137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	34027	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
35) Dibromofluoromethane	7.88	113	33061	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	10.32	98	123840	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.62	95	44263	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21770	5.13	ug/l	95
3) Chloromethane	2.21	50	28959	5.22	ug/l	98
4) Vinyl Chloride	2.37	62	42307	5.18	ug/l	99
5) Bromomethane	2.78	94	27479	5.45	ug/l	98
6) Chloroethane	2.93	64	25800	5.23	ug/l	91
7) Trichlorofluoromethane	3.26	101	19003	4.94	ug/l	97
8) Diethyl Ether	3.67	74	17612	5.06	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33496	5.05	ug/l	98
10) Methyl Iodide	4.27	142	49853	4.95	ug/l	99
11) Tert butyl alcohol	5.23	59	9446	27.08	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	33141	5.02	ug/l	97
13) Acrolein	3.90	56	13664	29.42	ug/l	94
14) Allyl chloride	4.67	41	48414	4.83	ug/l	99
15) Acrylonitrile	5.38	53	34666	23.76	ug/l	98
16) Acetone	4.14	43	45373	28.69	ug/l	100
17) Carbon Disulfide	4.37	76	110146	5.08	ug/l	98
18) Methyl Acetate	4.68	43	16585	4.89	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	38770	4.52	ug/l	100
20) Methylene Chloride	4.92	84	62471	7.24	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	33696	4.80	ug/l	93
22) Diisopropyl ether	6.31	45	82939	4.31	ug/l	96
23) Vinyl Acetate	6.26	43	222663	20.44	ug/l	99
24) 1,1-Dichloroethane	6.21	63	62373	4.98	ug/l	98
25) 2-Butanone	7.18	43	52537	23.32	ug/l	100
26) 2,2-Dichloropropane	7.17	77	40470	5.60	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	36287	4.80	ug/l	95
28) Bromochloromethane	7.51	49	26025	4.94	ug/l	99
29) Tetrahydrofuran	7.54	42	25159	21.90	ug/l	99
30) Chloroform	7.68	83	62085	5.04	ug/l	95
31) Cyclohexane	7.96	56	62722	5.18	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	48619	4.98	ug/l	97
36) 1,1-Dichloropropene	8.09	75	48664	4.77	ug/l	99
37) Ethyl Acetate	7.26	43	17943	4.41	ug/l	99
38) Carbon Tetrachloride	8.07	117	45785	4.87	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	55290	4.33	ug/l	93
40) Benzene	8.33	78	143021	4.82	ug/l	97
41) Methacrylonitrile	7.49	41	9246	4.00	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	37139	4.88	ug/l	100
43) Isopropyl Acetate	8.43	43	32198	4.40	ug/l	98
44) Trichloroethene	9.09	130	37218	4.94	ug/l	96
45) 1,2-Dichloropropane	9.37	63	34937	4.81	ug/l	98
46) Dibromomethane	9.46	93	17057	4.74	ug/l	99
47) Bromodichloromethane	9.65	83	40611	4.73	ug/l	96
48) Methyl methacrylate	9.44	41	14164	4.13	ug/l	97
49) 1,4-Dioxane	9.48	88	4590	87.37	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	102389	20.72	ug/l	98
52) Toluene	10.39	92	81595	4.58	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	37782	4.37	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	45709	4.43	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	24503	4.79	ug/l	97
56) Ethyl methacrylate	10.65	69	22940	3.80	ug/l	99
57) 1,3-Dichloropropane	10.93	76	41239	4.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	53138	18.82	ug/l	97
59) 2-Hexanone	10.98	43	66886	19.98	ug/l	94
60) Dibromochloromethane	11.13	129	26254	4.58	ug/l	97
61) 1,2-Dibromoethane	11.24	107	23115	4.73	ug/l	99
64) Tetrachloroethene	10.87	164	30394	4.75	ug/l	99
65) Chlorobenzene	11.66	112	98309	4.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	31909	4.68	ug/l	99
67) Ethyl Benzene	11.74	91	150497	4.40	ug/l	100
68) m/p-Xylenes	11.85	106	114220	8.59	ug/l	100
69) o-Xylene	12.17	106	50735	4.12	ug/l	99
70) Styrene	12.18	104	84240	4.07	ug/l	99
71) Bromoform	12.35	173	16203	4.51	ug/l #	98
73) Isopropylbenzene	12.47	105	140758	4.09	ug/l	99
74) N-amyl acetate	12.28	43	27879	3.86	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	29924	4.69	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18820m	2.51	ug/l	
77) Bromobenzene	12.75	156	39165	4.70	ug/l	96
78) n-propylbenzene	12.81	91	175612	4.18	ug/l	100
79) 2-Chlorotoluene	12.90	91	106425	4.39	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	116164	3.97	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	7972	4.15	ug/l	93
82) 4-Chlorotoluene	12.99	91	112940	4.39	ug/l	99
83) tert-Butylbenzene	13.21	119	102723	4.11	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	122725	4.08	ug/l	100
85) sec-Butylbenzene	13.39	105	156139	4.18	ug/l	100
86) p-Isopropyltoluene	13.51	119	130384	4.01	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	79917	4.71	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	82803	4.89	ug/l	94
89) n-Butylbenzene	13.83	91	134038	4.27	ug/l	99
90) Hexachloroethane	14.10	117	27390	4.62	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	72820	4.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4468	4.48	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	47983	4.46	ug/l	98
94) Hexachlorobutadiene	15.25	225	31104	4.71	ug/l	99
95) Naphthalene	15.38	128	70797	3.80	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	41393	4.33	ug/l	98

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

