

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\
 Data File : VW010409.D
 Acq On : 16 May 2019 18:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: May 17 09:01:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1083722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1821422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1643146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	798807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	48599	4.20	ug/l	0.00
Spiked Amount			Recovery	=	8.40%	
35) Dibromofluoromethane	7.88	113	51600	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	
50) Toluene-d8	10.32	98	184378	4.27	ug/l	0.00
Spiked Amount			Recovery	=	8.54%	
62) 4-Bromofluorobenzene	12.62	95	79012	5.09	ug/l	0.00
Spiked Amount			Recovery	=	10.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	45517m	5.391	ug/l	
3) Chloromethane	2.21	50	54583	5.084	ug/l	96
4) Vinyl Chloride	2.37	62	68857	5.114	ug/l	96
5) Bromomethane	2.77	94	41374	5.216	ug/l	88
6) Chloroethane	2.92	64	35933	4.609	ug/l	96
7) Trichlorofluoromethane	3.25	101	31241	4.555	ug/l	87
8) Diethyl Ether	3.67	74	30855	5.128	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53974	4.848	ug/l	99
10) Methyl Iodide	4.26	142	85668	5.324	ug/l	97
11) Tert butyl alcohol	5.18	59	23178	27.609	ug/l	97
12) 1,1-Dichloroethene	4.04	96	60133	5.168	ug/l	96
13) Acrolein	3.88	56	12255	12.586	ug/l #	62
14) Allyl chloride	4.65	41	70258	4.151	ug/l	96
15) Acrylonitrile	5.37	53	63053	19.447	ug/l	99
16) Acetone	4.12	43	53300	18.822	ug/l	97
17) Carbon Disulfide	4.38	76	162554	4.701	ug/l	100
18) Methyl Acetate	4.67	43	36320	5.000	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	76084	5.357	ug/l	97
20) Methylene Chloride	4.91	84	70747	5.691	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	63047	5.009	ug/l	91
22) Diisopropyl ether	6.31	45	161237	4.761	ug/l	95
23) Vinyl Acetate	6.25	43	554935	23.844	ug/l	98
24) 1,1-Dichloroethane	6.21	63	103825	4.585	ug/l	97
25) 2-Butanone	7.17	43	94748	21.144	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55042	4.888	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	71952	5.460	ug/l	98
28) Bromochloromethane	7.51	49	31775	3.672	ug/l	99
29) Tetrahydrofuran	7.53	42	63556	21.823	ug/l	98
30) Chloroform	7.67	83	108822	5.050	ug/l	96
31) Cyclohexane	7.95	56	121097	5.297	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	87708	5.255	ug/l	98
36) 1,1-Dichloropropene	8.08	75	86198	4.515	ug/l	98
37) Ethyl Acetate	7.26	43	37882	3.724	ug/l #	90
38) Carbon Tetrachloride	8.06	117	87201	5.179	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114373	4.873	ug/l	95
40) Benzene	8.32	78	248076	4.694	ug/l	99
41) Methacrylonitrile	7.49	41	23108	4.042	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	69995	4.598	ug/l	99
43) Isopropyl Acetate	8.43	43	84461	4.861	ug/l	99
44) Trichloroethene	9.09	130	72327	5.357	ug/l	88
45) 1,2-Dichloropropane	9.37	63	60478	4.595	ug/l	95
46) Dibromomethane	9.46	93	34926	5.037	ug/l	98
47) Bromodichloromethane	9.64	83	81551	4.881	ug/l	96
48) Methyl methacrylate	9.44	41	40799	5.041	ug/l	92
49) 1,4-Dioxane	9.45	88	12631	105.021	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	217220	22.298	ug/l	100
52) Toluene	10.39	92	163092	4.992	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	89203	5.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	101666	5.107	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	49702	5.021	ug/l	93
56) Ethyl methacrylate	10.65	69	70573	5.380	ug/l	99
57) 1,3-Dichloropropane	10.93	76	83600	4.793	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	125672	19.983	ug/l	100
59) 2-Hexanone	10.97	43	150410	21.868	ug/l	100
60) Dibromochloromethane	11.13	129	59493	5.457	ug/l	95
61) 1,2-Dibromoethane	11.23	107	49592	5.190	ug/l	99
64) Tetrachloroethene	10.86	164	59187	5.193	ug/l	97
65) Chlorobenzene	11.66	112	173133	5.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66164	5.693	ug/l	97
67) Ethyl Benzene	11.73	91	316802	5.146	ug/l	99
68) m/p-Xylenes	11.84	106	246752	10.692	ug/l	97
69) o-Xylene	12.16	106	116222	5.514	ug/l	97
70) Styrene	12.18	104	202141	5.512	ug/l	100
71) Bromoform	12.35	173	35377	5.261	ug/l #	97
73) Isopropylbenzene	12.46	105	315630	5.451	ug/l	99
74) N-amyl acetate	12.27	43	79495	5.198	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	59715	4.698	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	40482m	4.429	ug/l	
77) Bromobenzene	12.75	156	71747	5.406	ug/l	99
78) n-propylbenzene	12.80	91	368592	5.203	ug/l	99
79) 2-Chlorotoluene	12.90	91	210455	5.161	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	274223	5.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	21994	5.316	ug/l	93
82) 4-Chlorotoluene	12.99	91	216970	5.084	ug/l	98
83) tert-Butylbenzene	13.21	119	229740	5.605	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274228	5.625	ug/l	99
85) sec-Butylbenzene	13.38	105	326861	5.451	ug/l	100
86) p-Isopropyltoluene	13.50	119	296982	5.566	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	142076	5.410	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	139934	5.344	ug/l	92
89) n-Butylbenzene	13.83	91	284309	5.353	ug/l	98
90) Hexachloroethane	14.10	117	57584	5.688	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	127635	5.447	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11572	5.002	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	86639	5.441	ug/l	99
94) Hexachlorobutadiene	15.24	225	46400	4.694	ug/l	99
95) Naphthalene	15.37	128	188386	5.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77153	5.348	ug/l	99

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

