

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009033.D
 Acq On : 07 Mar 2019 11:46
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:10 PM

Quant Time: Mar 08 03:36:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	292338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	55611	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
35) Dibromofluoromethane	7.88	113	49665	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
50) Toluene-d8	10.32	98	191289	18.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.06%	
62) 4-Bromofluorobenzene	12.62	95	75332	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64631	21.968	ug/l	97
3) Chloromethane	2.21	50	75775	20.468	ug/l	97
4) Vinyl Chloride	2.36	62	75612	19.893	ug/l	93
5) Bromomethane	2.76	94	66058	20.408	ug/l	95
6) Chloroethane	2.91	64	52704	19.395	ug/l	98
7) Trichlorofluoromethane	3.25	101	103393	21.295	ug/l	94
8) Diethyl Ether	3.68	74	29554	20.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62725	20.772	ug/l	98
10) Methyl Iodide	4.26	142	53084	18.500	ug/l	100
11) Tert butyl alcohol	5.19	59	20693m	98.848	ug/l	
12) 1,1-Dichloroethene	4.03	96	54336	20.671	ug/l	94
13) Acrolein	3.90	56	24817	99.026	ug/l	99
14) Allyl chloride	4.67	41	92387	20.270	ug/l	98
15) Acrylonitrile	5.37	53	60948	92.292	ug/l	97
16) Acetone	4.14	43	61700	92.130	ug/l	98
17) Carbon Disulfide	4.37	76	178054	20.213	ug/l	100
18) Methyl Acetate	4.67	43	27933	18.147	ug/l	92
19) Methyl tert-butyl Ether	5.43	73	140943	20.337	ug/l	99
20) Methylene Chloride	4.92	84	69433	18.213	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	63102	20.783	ug/l	90
22) Diisopropyl ether	6.31	45	186048	20.269	ug/l	97
23) Vinyl Acetate	6.26	43	574410	100.396	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108831	20.446	ug/l	97
25) 2-Butanone	7.18	43	85715	94.287	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98688	20.291	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	67214	20.784	ug/l	99
28) Bromochloromethane	7.51	49	42064	19.094	ug/l	99
29) Tetrahydrofuran	7.53	42	53698	92.130	ug/l	97
30) Chloroform	7.68	83	111649	20.526	ug/l	95
31) Cyclohexane	7.95	56	109664	20.248	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103752	20.713	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92747	21.073	ug/l	97
37) Ethyl Acetate	7.25	43	39428	19.069	ug/l #	97
38) Carbon Tetrachloride	8.07	117	94139	20.639	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107165	20.330	ug/l	95
40) Benzene	8.32	78	241001	20.594	ug/l	100
41) Methacrylonitrile	7.48	41	19958	18.316	ug/l	93
42) 1,2-Dichloroethane	8.40	62	75047	19.679	ug/l	98
43) Isopropyl Acetate	8.43	43	73393	18.976	ug/l	98
44) Trichloroethene	9.09	130	69322	21.070	ug/l	89
45) 1,2-Dichloropropane	9.37	63	59985	20.605	ug/l	98
46) Dibromomethane	9.46	93	32415	20.047	ug/l	97
47) Bromodichloromethane	9.64	83	82155	20.159	ug/l	99
48) Methyl methacrylate	9.44	41	35010	19.196	ug/l	97
49) 1,4-Dioxane	9.46	88	8325	350.709	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	183927	93.301	ug/l	99
52) Toluene	10.39	92	156645	19.625	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	80989	19.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	94451	20.426	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	43682	19.936	ug/l	95
56) Ethyl methacrylate	10.65	69	49661	18.075	ug/l	97
57) 1,3-Dichloropropane	10.93	76	77937	20.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142712	99.971	ug/l	98
59) 2-Hexanone	10.97	43	126860	91.151	ug/l	99
60) Dibromochloromethane	11.13	129	53743	19.964	ug/l	98
61) 1,2-Dibromoethane	11.23	107	42187	19.812	ug/l	100
64) Tetrachloroethene	10.86	164	58246	19.664	ug/l	98
65) Chlorobenzene	11.66	112	174943	19.904	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	59625	20.347	ug/l	99
67) Ethyl Benzene	11.73	91	309273	19.584	ug/l	100
68) m/p-Xylenes	11.84	106	245757	39.376	ug/l	99
69) o-Xylene	12.16	106	112315	19.303	ug/l	100
70) Styrene	12.18	104	181806	19.193	ug/l	100
71) Bromoform	12.35	173	30618	19.269	ug/l #	99
73) Isopropylbenzene	12.47	105	311319	19.698	ug/l	100
74) N-amyl acetate	12.27	43	70435	18.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49445	19.669	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34959m	14.116	ug/l	
77) Bromobenzene	12.74	156	72852	20.159	ug/l	93
78) n-propylbenzene	12.80	91	385034	19.845	ug/l	100
79) 2-Chlorotoluene	12.89	91	214383	19.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270745	19.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15400	19.754	ug/l	93
82) 4-Chlorotoluene	12.99	91	229280	19.738	ug/l	97
83) tert-Butylbenzene	13.21	119	223299	19.516	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	270173	19.648	ug/l	99
85) sec-Butylbenzene	13.38	105	333286	19.659	ug/l	98
86) p-Isopropyltoluene	13.50	119	295267	19.430	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	150941	19.919	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	150077	20.048	ug/l	99
89) n-Butylbenzene	13.83	91	282985	19.533	ug/l	100
90) Hexachloroethane	14.10	117	52259	19.964	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131186	19.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8429	18.061	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89073	19.624	ug/l	98
94) Hexachlorobutadiene	15.24	225	58708	20.693	ug/l	100
95) Naphthalene	15.37	128	142928	19.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77682	19.490	ug/l	100

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

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