

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008092.D
 Acq On : 08 Jan 2019 18:21
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW010819

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:08:14 AM

Quant Time: Jan 09 04:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	176924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52835	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
35) Dibromofluoromethane	7.88	113	49054	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.32	98	203418	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.62	95	71420	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43529	49.347	ug/l	100
3) Chloromethane	2.21	50	51530	45.028	ug/l	98
4) Vinyl Chloride	2.37	62	67020	44.871	ug/l	98
5) Bromomethane	2.79	94	48006	42.905	ug/l	99
6) Chloroethane	2.93	64	47933	42.648	ug/l	97
7) Trichlorofluoromethane	3.26	101	54238	44.667	ug/l	92
8) Diethyl Ether	3.68	74	33063	48.165	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57290	47.520	ug/l	94
10) Methyl Iodide	4.26	142	91620	52.144	ug/l	97
11) Tert butyl alcohol	5.24	59	19576	264.615	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	57412	48.505	ug/l	95
13) Acrolein	3.89	56	22755	281.553	ug/l	98
14) Allyl chloride	4.67	41	103216	48.029	ug/l	100
15) Acrylonitrile	5.38	53	64154	245.475	ug/l	99
16) Acetone	4.14	43	56157	257.847	ug/l	95
17) Carbon Disulfide	4.37	76	178417	48.253	ug/l	97
18) Methyl Acetate	4.68	43	40519	52.775	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	94058	48.880	ug/l	94
20) Methylene Chloride	4.91	84	59395	49.624	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	60657	47.157	ug/l	93
22) Diisopropyl ether	6.31	45	195934	47.806	ug/l	98
23) Vinyl Acetate	6.26	43	535237	248.653	ug/l	98
24) 1,1-Dichloroethane	6.21	63	110951	46.461	ug/l	99
25) 2-Butanone	7.18	43	80582	238.417	ug/l	99
26) 2,2-Dichloropropane	7.17	77	72018	44.508	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	65965	47.004	ug/l	97
28) Bromochloromethane	7.51	49	43958	46.538	ug/l	94
29) Tetrahydrofuran	7.53	42	55739	246.883	ug/l	99
30) Chloroform	7.68	83	105098	46.236	ug/l	96
31) Cyclohexane	7.96	56	110521	43.232	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	90902	45.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	88991	48.829	ug/l	98
37) Ethyl Acetate	7.26	43	39167	53.643	ug/l	98
38) Carbon Tetrachloride	8.07	117	81759	49.013	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114844	49.697	ug/l	95
40) Benzene	8.32	78	247120	49.993	ug/l	98
41) Methacrylonitrile	7.48	41	25702	55.725	ug/l	90
42) 1,2-Dichloroethane	8.40	62	67980	48.897	ug/l	99
43) Isopropyl Acetate	8.43	43	77440	53.047	ug/l	99
44) Trichloroethene	9.09	130	65355	51.649	ug/l	95
45) 1,2-Dichloropropane	9.37	63	62645	51.110	ug/l	99
46) Dibromomethane	9.46	93	29768	49.454	ug/l	92
47) Bromodichloromethane	9.65	83	77423	50.655	ug/l	99
48) Methyl methacrylate	9.44	41	38107	55.321	ug/l	97
49) 1,4-Dioxane	9.48	88	9546	986.128	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	185464	262.457	ug/l	100
52) Toluene	10.39	92	157003	49.734	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	82751	52.049	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97034	51.469	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43904	51.950	ug/l	98
56) Ethyl methacrylate	10.65	69	57896	55.318	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77796	50.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	131334	242.929	ug/l	98
59) 2-Hexanone	10.97	43	125146	261.885	ug/l	99
60) Dibromochloromethane	11.13	129	50681	54.611	ug/l	99
61) 1,2-Dibromoethane	11.24	107	42329	52.785	ug/l	98
64) Tetrachloroethene	10.87	164	54229	52.246	ug/l	93
65) Chlorobenzene	11.66	112	168167	49.769	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56676	51.570	ug/l	99
67) Ethyl Benzene	11.73	91	302993	49.008	ug/l	99
68) m/p-Xylenes	11.84	106	233613	98.997	ug/l	97
69) o-Xylene	12.17	106	109973	50.325	ug/l	96
70) Styrene	12.18	104	178146	52.046	ug/l	99
71) Bromoform	12.35	173	28508	57.959	ug/l #	98
73) Isopropylbenzene	12.47	105	296622	48.121	ug/l	100
74) N-amyl acetate	12.27	43	72538	53.139	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	49630	50.302	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36472m	50.957	ug/l	
77) Bromobenzene	12.75	156	65749	50.481	ug/l	93
78) n-propylbenzene	12.81	91	359321	47.575	ug/l	99
79) 2-Chlorotoluene	12.90	91	198850	47.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	244814	48.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16182	52.649	ug/l	95
82) 4-Chlorotoluene	12.99	91	210043	47.329	ug/l	99
83) tert-Butylbenzene	13.21	119	219865	49.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	247339	47.344	ug/l	98
85) sec-Butylbenzene	13.39	105	310906	47.362	ug/l	99
86) p-Isopropyltoluene	13.51	119	271440	47.884	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	130767	49.494	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	131915	49.764	ug/l	99
89) n-Butylbenzene	13.83	91	265481	47.818	ug/l	99
90) Hexachloroethane	14.10	117	47287	49.387	ug/l	89
91) 1,2-Dichlorobenzene	13.87	146	115167	49.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8445	53.186	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82154	53.291	ug/l	97
94) Hexachlorobutadiene	15.24	225	44767	54.255	ug/l	100
95) Naphthalene	15.37	128	153481	53.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70658	53.766	ug/l	97

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

