

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009565.D
 Acq On : 29 Mar 2019 10:21
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:44 AM

Quant Time: Mar 29 13:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229122	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	33537	9.78	ug/l	0.00
Spiked Amount			Recovery	=	19.56%	
35) Dibromofluoromethane	7.88	113	28653	9.86	ug/l	0.00
Spiked Amount			Recovery	=	19.72%	
50) Toluene-d8	10.32	98	103103	9.19	ug/l	0.00
Spiked Amount			Recovery	=	18.38%	
62) 4-Bromofluorobenzene	12.62	95	37855	9.05	ug/l	0.00
Spiked Amount			Recovery	=	18.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	22171	12.836	ug/l	92
3) Chloromethane	2.21	50	25108	10.986	ug/l	96
4) Vinyl Chloride	2.37	62	34565	11.018	ug/l	97
5) Bromomethane	2.78	94	27323	11.531	ug/l	99
6) Chloroethane	2.92	64	25458	10.735	ug/l	98
7) Trichlorofluoromethane	3.25	101	22322	10.255	ug/l	88
8) Diethyl Ether	3.68	74	15226	9.901	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32478	11.174	ug/l	97
10) Methyl Iodide	4.26	142	42231	10.344	ug/l	94
11) Tert butyl alcohol	5.18	59	8785m	46.409	ug/l	
12) 1,1-Dichloroethene	4.03	96	28847	10.461	ug/l	93
13) Acrolein	3.88	56	6891	48.100	ug/l #	82
14) Allyl chloride	4.66	41	42870	9.425	ug/l	94
15) Acrylonitrile	5.37	53	32638	47.889	ug/l	98
16) Acetone	4.12	43	36323	47.612	ug/l	97
17) Carbon Disulfide	4.38	76	83444	10.832	ug/l	99
18) Methyl Acetate	4.67	43	15219	8.541	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	38453	9.650	ug/l	94
20) Methylene Chloride	4.91	84	38083	12.652	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	29631	9.998	ug/l	92
22) Diisopropyl ether	6.31	45	93614	9.420	ug/l	98
23) Vinyl Acetate	6.25	43	276642	44.173	ug/l	98
24) 1,1-Dichloroethane	6.21	63	59031	10.139	ug/l	99
25) 2-Butanone	7.17	43	48390	46.589	ug/l	94
26) 2,2-Dichloropropane	7.17	77	34065	10.226	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	31848	9.702	ug/l	93
28) Bromochloromethane	7.51	49	23846	9.706	ug/l #	96
29) Tetrahydrofuran	7.53	42	28948	44.523	ug/l	99
30) Chloroform	7.67	83	62555	10.447	ug/l	96
31) Cyclohexane	7.95	56	56785	10.925	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	50046	10.263	ug/l	98
36) 1,1-Dichloropropene	8.08	75	48083	10.035	ug/l	98
37) Ethyl Acetate	7.25	43	21101	9.375	ug/l	97
38) Carbon Tetrachloride	8.06	117	48169	9.928	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	50293	9.110	ug/l	89
40) Benzene	8.32	78	127602	9.846	ug/l	98
41) Methacrylonitrile	7.49	41	10896	8.136	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	43766	10.119	ug/l	99
43) Isopropyl Acetate	8.42	43	39125	8.971	ug/l	98
44) Trichloroethene	9.09	130	32879	9.830	ug/l	100
45) 1,2-Dichloropropane	9.37	63	33100	10.017	ug/l	100
46) Dibromomethane	9.46	93	17600	9.962	ug/l	94
47) Bromodichloromethane	9.64	83	43458	9.441	ug/l	96
48) Methyl methacrylate	9.44	41	18165	8.401	ug/l	94
49) 1,4-Dioxane	9.45	88	4480	163.999	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	105577	44.163	ug/l	98
52) Toluene	10.39	92	77599	9.336	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38996	8.510	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46418	9.114	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	23541	9.796	ug/l	95
56) Ethyl methacrylate	10.65	69	24223	7.753	ug/l	95
57) 1,3-Dichloropropane	10.93	76	41068	9.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	56876	37.160	ug/l	96
59) 2-Hexanone	10.97	43	69933	41.117	ug/l	97
60) Dibromochloromethane	11.13	129	27492	9.422	ug/l	98
61) 1,2-Dibromoethane	11.24	107	22277	9.606	ug/l	98
64) Tetrachloroethene	10.86	164	28555	10.173	ug/l	95
65) Chlorobenzene	11.66	112	89755	10.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	32245	9.936	ug/l	99
67) Ethyl Benzene	11.73	91	150198	9.283	ug/l	100
68) m/p-Xylenes	11.84	106	114934	18.693	ug/l	98
69) o-Xylene	12.16	106	52325	9.072	ug/l	99
70) Styrene	12.18	104	86977	8.925	ug/l	98
71) Bromoform	12.35	173	15973	9.121	ug/l #	99
73) Isopropylbenzene	12.46	105	144138	8.517	ug/l	100
74) N-amyl acetate	12.27	43	35847	8.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	28503	9.550	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19879m	9.174	ug/l	
77) Bromobenzene	12.75	156	35313	9.362	ug/l	100
78) n-propylbenzene	12.80	91	181265	8.695	ug/l	99
79) 2-Chlorotoluene	12.90	91	104705	8.938	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	125609	8.771	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	7785	8.387	ug/l	90
82) 4-Chlorotoluene	12.99	91	110784	8.980	ug/l	99
83) tert-Butylbenzene	13.21	119	103212	8.470	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	127711	8.636	ug/l	99
85) sec-Butylbenzene	13.39	105	161963	8.752	ug/l	99
86) p-Isopropyltoluene	13.50	119	138392	8.604	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	72728	9.367	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	75092	9.727	ug/l	98
89) n-Butylbenzene	13.83	91	135819	8.574	ug/l	99
90) Hexachloroethane	14.10	117	27126	9.104	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	64908	9.286	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5158	9.386	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	38906	8.403	ug/l	92
94) Hexachlorobutadiene	15.24	225	26789	9.308	ug/l	96
95) Naphthalene	15.37	128	65084	7.576	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	35870	8.793	ug/l	99

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

