

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010674.D
 Acq On : 04 Jun 2019 14:21
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 3:04:50 PM

Quant Time: Jun 05 03:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	463247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	16330	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	7.89	113	10793	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	
50) Toluene-d8	10.32	98	55211	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.62	95	20052	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	14887	5.660	ug/l	93
3) Chloromethane	2.21	50	20716	5.354	ug/l	100
4) Vinyl Chloride	2.36	62	18685	5.226	ug/l	97
5) Bromomethane	2.76	94	11984	6.104	ug/l	99
6) Chloroethane	2.92	64	11460	5.340	ug/l	95
7) Trichlorofluoromethane	3.26	101	23653	5.097	ug/l	100
8) Diethyl Ether	3.68	74	8190	4.938	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14297	5.011	ug/l	98
10) Methyl Iodide	4.27	142	8083	3.208	ug/l	98
11) Tert butyl alcohol	5.18	59	6607	24.176	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	14116	5.129	ug/l	98
13) Acrolein	3.90	56	2953	26.443	ug/l	90
14) Allyl chloride	4.67	41	28894	4.761	ug/l	97
15) Acrylonitrile	5.38	53	18983	23.560	ug/l	100
16) Acetone	4.13	43	20934	23.290	ug/l	95
17) Carbon Disulfide	4.38	76	43226	4.947	ug/l	97
18) Methyl Acetate	4.68	43	9564	4.943	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	37948	4.780	ug/l	100
20) Methylene Chloride	4.92	84	17072	5.414	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	15385	4.924	ug/l	97
22) Diisopropyl ether	6.31	45	58916	4.849	ug/l	91
23) Vinyl Acetate	6.26	43	168366	22.962	ug/l	100
24) 1,1-Dichloroethane	6.22	63	29545	4.852	ug/l	99
25) 2-Butanone	7.18	43	27999	22.464	ug/l	98
26) 2,2-Dichloropropane	7.17	77	24603	4.966	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	16707	4.859	ug/l	99
28) Bromochloromethane	7.51	49	14725	5.419	ug/l	97
29) Tetrahydrofuran	7.54	42	18615	23.745	ug/l	99
30) Chloroform	7.68	83	27135	4.872	ug/l	96
31) Cyclohexane	7.95	56	39125	5.781	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	23930	4.919	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23575	4.972	ug/l	98
37) Ethyl Acetate	7.26	43	13059	4.970	ug/l	98
38) Carbon Tetrachloride	8.07	117	19828	4.844	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29588	4.908	ug/l	98
40) Benzene	8.32	78	64394	4.978	ug/l	96
41) Methacrylonitrile	7.49	41	7609	4.872	ug/l	97
42) 1,2-Dichloroethane	8.40	62	20286	4.941	ug/l	98
43) Isopropyl Acetate	8.43	43	23638	4.656	ug/l	97
44) Trichloroethene	9.09	130	15753	4.937	ug/l	94
45) 1,2-Dichloropropane	9.37	63	16749	4.891	ug/l	96
46) Dibromomethane	9.46	93	7688	4.834	ug/l	98
47) Bromodichloromethane	9.65	83	19218	4.661	ug/l	98
48) Methyl methacrylate	9.44	41	11167	4.562	ug/l	97
49) 1,4-Dioxane	9.46	88	2310	92.894	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	59321	22.874	ug/l	99
52) Toluene	10.39	92	38943	4.893	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	19883	4.553	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	23551	4.583	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	11041	4.819	ug/l	96
56) Ethyl methacrylate	10.65	69	15946	4.523	ug/l	98
57) 1,3-Dichloropropane	10.93	76	20733	4.801	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	43201	23.394	ug/l	100
59) 2-Hexanone	10.97	43	41086	21.920	ug/l	98
60) Dibromochloromethane	11.13	129	11470	4.516	ug/l	99
61) 1,2-Dibromoethane	11.23	107	10322	4.755	ug/l	98
64) Tetrachloroethene	10.86	164	13438	5.018	ug/l	96
65) Chlorobenzene	11.66	112	39000	4.917	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	12979	4.727	ug/l	99
67) Ethyl Benzene	11.73	91	76395	5.011	ug/l	100
68) m/p-Xylenes	11.84	106	53352	9.777	ug/l	99
69) o-Xylene	12.16	106	25143	4.858	ug/l	100
70) Styrene	12.18	104	42523	4.730	ug/l	99
71) Bromoform	12.35	173	6190	4.359	ug/l #	98
73) Isopropylbenzene	12.46	105	70174	5.017	ug/l	99
74) N-amyl acetate	12.27	43	20554	4.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	12884	4.838	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	9660m	3.622	ug/l	
77) Bromobenzene	12.75	156	15067	4.934	ug/l	98
78) n-propylbenzene	12.80	91	83601	4.956	ug/l	99
79) 2-Chlorotoluene	12.90	91	48077	4.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	56329	4.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3841	4.516	ug/l	89
82) 4-Chlorotoluene	12.99	91	49902	5.018	ug/l	100
83) tert-Butylbenzene	13.21	119	47763	4.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	57002	4.947	ug/l	99
85) sec-Butylbenzene	13.38	105	70414	4.977	ug/l	99
86) p-Isopropyltoluene	13.50	119	61493	4.860	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	28561	4.850	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	29169	4.997	ug/l	93
89) n-Butylbenzene	13.83	91	60829	4.819	ug/l	100
90) Hexachloroethane	14.10	117	10469	4.621	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	26750	5.052	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2154	4.710	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	17485	4.705	ug/l	98
94) Hexachlorobutadiene	15.24	225	11193	4.799	ug/l	98
95) Naphthalene	15.37	128	29544	4.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	14179	4.487	ug/l	94

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

