

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010568.D
 Acq On : 28 May 2019 15:38
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:51 AM

Quant Time: May 29 07:33:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	134469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98980	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	68115	49.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.16%	
35) Dibromofluoromethane	7.88	113	70336	52.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.16%	
50) Toluene-d8	10.32	98	265869	52.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.62	95	103746	50.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	19294	15.915	ug/l	99
3) Chloromethane	2.21	50	21526	15.236	ug/l	96
4) Vinyl Chloride	2.35	62	24818	15.165	ug/l	97
5) Bromomethane	2.75	94	19080	16.947	ug/l	96
6) Chloroethane	2.90	64	17209	16.381	ug/l	99
7) Trichlorofluoromethane	3.25	101	47689	19.738	ug/l	99
8) Diethyl Ether	3.68	74	15660	20.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29928	20.114	ug/l	95
10) Methyl Iodide	4.26	142	28154	16.554	ug/l	96
11) Tert butyl alcohol	5.17	59	21143	169.354	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	28051	19.749	ug/l	98
13) Acrolein	3.90	56	7766	92.718	ug/l	99
14) Allyl chloride	4.67	41	39169	19.052	ug/l	99
15) Acrylonitrile	5.37	53	32863	102.456	ug/l	97
16) Acetone	4.13	43	29112	102.756	ug/l	98
17) Carbon Disulfide	4.37	76	73231	17.286	ug/l	100
18) Methyl Acetate	4.67	43	15173	21.898	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	72613	20.054	ug/l	99
20) Methylene Chloride	4.92	84	30625	14.859	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	32105	19.706	ug/l	99
22) Diisopropyl ether	6.31	45	81759	19.394	ug/l	94
23) Vinyl Acetate	6.26	43	248029	98.495	ug/l	99
24) 1,1-Dichloroethane	6.21	63	51011	20.277	ug/l	98
25) 2-Butanone	7.17	43	45133	111.317	ug/l	99
26) 2,2-Dichloropropane	7.16	77	50350	21.011	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	36249	20.466	ug/l	99
28) Bromochloromethane	7.51	49	18350	20.373	ug/l	92
29) Tetrahydrofuran	7.53	42	28105	102.440	ug/l	99
30) Chloroform	7.68	83	55711	20.531	ug/l	97
31) Cyclohexane	7.95	56	48303	18.330	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	52402	20.205	ug/l	98
36) 1,1-Dichloropropene	8.08	75	42719	20.802	ug/l	99
37) Ethyl Acetate	7.25	43	19628	22.476	ug/l	99
38) Carbon Tetrachloride	8.07	117	48323	21.813	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57509	20.902	ug/l	96
40) Benzene	8.32	78	120441	21.101	ug/l	99
41) Methacrylonitrile	7.49	41	11567	22.292	ug/l	95
42) 1,2-Dichloroethane	8.40	62	35022	21.468	ug/l	99
43) Isopropyl Acetate	8.43	43	37801	21.667	ug/l	99
44) Trichloroethene	9.09	130	37325	22.026	ug/l	98
45) 1,2-Dichloropropane	9.37	63	28940	21.348	ug/l	100
46) Dibromomethane	9.46	93	17407	21.956	ug/l	94
47) Bromodichloromethane	9.65	83	42414	21.289	ug/l	100
48) Methyl methacrylate	9.44	41	16289	20.408	ug/l	97
49) 1,4-Dioxane	9.45	88	5523	426.458	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	95400	107.911	ug/l	99
52) Toluene	10.39	92	82296	21.469	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	42518	21.072	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	49157	21.332	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	25487	22.356	ug/l	97
56) Ethyl methacrylate	10.65	69	32188	20.472	ug/l	99
57) 1,3-Dichloropropane	10.93	76	42336	22.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	77032	110.610	ug/l	97
59) 2-Hexanone	10.97	43	67509	107.048	ug/l	100
60) Dibromochloromethane	11.13	129	31891	22.103	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25761	22.307	ug/l	98
64) Tetrachloroethene	10.86	164	31399	22.754	ug/l	98
65) Chlorobenzene	11.66	112	92108	21.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33503	22.169	ug/l	99
67) Ethyl Benzene	11.73	91	159067	21.356	ug/l	100
68) m/p-Xylenes	11.84	106	125823	43.067	ug/l	99
69) o-Xylene	12.16	106	59772	21.594	ug/l	100
70) Styrene	12.18	104	101461	21.603	ug/l	99
71) Bromoform	12.35	173	18327	22.021	ug/l #	99
73) Isopropylbenzene	12.46	105	163479	20.814	ug/l	100
74) N-amyl acetate	12.27	43	34588	19.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29561	20.692	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	20508m	20.412	ug/l	
77) Bromobenzene	12.75	156	39393	22.412	ug/l	95
78) n-propylbenzene	12.80	91	185893	20.309	ug/l	99
79) 2-Chlorotoluene	12.90	91	109377	20.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	138344	20.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9430	19.588	ug/l	96
82) 4-Chlorotoluene	12.99	91	113269	20.558	ug/l	97
83) tert-Butylbenzene	13.21	119	120049	20.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	136397	20.587	ug/l	100
85) sec-Butylbenzene	13.38	105	167010	20.538	ug/l	99
86) p-Isopropyltoluene	13.50	119	153570	20.865	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	75457	21.882	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	75186	21.731	ug/l	99
89) n-Butylbenzene	13.83	91	139155	19.876	ug/l	99
90) Hexachloroethane	14.10	117	29135	20.451	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	69232	22.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5116	19.259	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	47334	22.141	ug/l	99
94) Hexachlorobutadiene	15.24	225	25482	22.312	ug/l	99
95) Naphthalene	15.37	128	95554	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41952	22.806	ug/l	100

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

