

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006931.D
 Acq On : 16 Nov 2018 23:44
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 11/19/2018 3:29:22 PM

Quant Time: Nov 17 01:51:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	114197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	87146	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	25370	27.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.14%	
35) Dibromofluoromethane	7.89	113	22101	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
50) Toluene-d8	10.33	98	94330	19.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.84%	
62) 4-Bromofluorobenzene	12.62	95	37309	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	26051	26.85	ug/l	97
3) Chloromethane	2.21	50	21894	20.78	ug/l	98
4) Vinyl Chloride	2.36	62	20711	18.71	ug/l	97
5) Bromomethane	2.78	94	10348	14.33	ug/l	97
6) Chloroethane	2.92	64	11184	15.80	ug/l	96
7) Trichlorofluoromethane	3.26	101	39791	25.54	ug/l	96
8) Diethyl Ether	3.69	74	14306	29.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25917	24.69	ug/l	99
10) Methyl Iodide	4.28	142	25509	17.90	ug/l	99
11) Tert butyl alcohol	5.22	59	10911m	181.20	ug/l	
12) 1,1-Dichloroethene	4.04	96	22953	25.62	ug/l	94
13) Acrolein	3.91	56	9971	158.51	ug/l	99
14) Allyl chloride	4.68	41	39860	31.75	ug/l	98
15) Acrylonitrile	5.38	53	27413	150.61	ug/l	98
16) Acetone	4.15	43	19999	150.63	ug/l	99
17) Carbon Disulfide	4.38	76	72176	25.47	ug/l	97
18) Methyl Acetate	4.68	43	14966	32.84	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	67929	30.61	ug/l	99
20) Methylene Chloride	4.93	84	31111	22.46	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	26719	25.26	ug/l	97
22) Diisopropyl ether	6.32	45	83001	32.10	ug/l	99
23) Vinyl Acetate	6.26	43	231146	158.74	ug/l	100
24) 1,1-Dichloroethane	6.22	63	46498	27.91	ug/l	99
25) 2-Butanone	7.18	43	34774	155.94	ug/l	100
26) 2,2-Dichloropropane	7.17	77	41181	25.33	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	29990	26.39	ug/l	99
28) Bromochloromethane	7.52	49	16356	27.89	ug/l	99
29) Tetrahydrofuran	7.54	42	22550	157.96	ug/l	98
30) Chloroform	7.68	83	50232	27.82	ug/l	98
31) Cyclohexane	7.96	56	49701	29.48	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	45359	26.46	ug/l	98
36) 1,1-Dichloropropene	8.09	75	41336	22.83	ug/l	99
37) Ethyl Acetate	7.26	43	17791	28.77	ug/l	96
38) Carbon Tetrachloride	8.07	117	40150	20.76	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	49743	21.43	ug/l	97
40) Benzene	8.33	78	111581	22.06	ug/l	100
41) Methacrylonitrile	7.49	41	10079	26.42	ug/l	98
42) 1,2-Dichloroethane	8.40	62	32810	23.84	ug/l	99
43) Isopropyl Acetate	8.43	43	32011	26.58	ug/l	99
44) Trichloroethene	9.10	130	30601	19.64	ug/l	100
45) 1,2-Dichloropropane	9.37	63	28647	24.02	ug/l	96
46) Dibromomethane	9.46	93	13951	21.34	ug/l	99
47) Bromodichloromethane	9.65	83	37625	23.01	ug/l	99
48) Methyl methacrylate	9.44	41	14910	25.45	ug/l	97
49) 1,4-Dioxane	9.48	88	3940	397.13	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	76969	127.90	ug/l	100
52) Toluene	10.39	92	71026	20.02	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	36570	22.71	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	44297	23.18	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	21079	21.72	ug/l	96
56) Ethyl methacrylate	10.65	69	25093	23.15	ug/l	96
57) 1,3-Dichloropropane	10.93	76	35634	22.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	62827	117.66	ug/l	100
59) 2-Hexanone	10.98	43	51637	125.10	ug/l	100
60) Dibromochloromethane	11.13	129	23564	20.07	ug/l	99
61) 1,2-Dibromoethane	11.24	107	19326	21.06	ug/l	99
64) Tetrachloroethene	10.87	164	23957	17.47	ug/l	96
65) Chlorobenzene	11.66	112	78557	20.11	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	25507	20.18	ug/l	97
67) Ethyl Benzene	11.74	91	141467	21.10	ug/l	97
68) m/p-Xylenes	11.84	106	112098	41.24	ug/l	100
69) o-Xylene	12.17	106	52588	20.74	ug/l	100
70) Styrene	12.18	104	84623	20.80	ug/l	99
71) Bromoform	12.35	173	11482	17.05	ug/l #	99
73) Isopropylbenzene	12.47	105	144235	23.36	ug/l	100
74) N-amyl acetate	12.28	43	28598	28.88	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	21510	24.96	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17139m	26.06	ug/l	
77) Bromobenzene	12.75	156	29881	19.67	ug/l	96
78) n-propylbenzene	12.81	91	172746	23.63	ug/l	100
79) 2-Chlorotoluene	12.90	91	101642	24.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	124141	23.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6156	23.41	ug/l	95
82) 4-Chlorotoluene	12.99	91	107079	24.31	ug/l	100
83) tert-Butylbenzene	13.21	119	104427	22.44	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	125899	23.35	ug/l	100
85) sec-Butylbenzene	13.39	105	149649	22.66	ug/l	100
86) p-Isopropyltoluene	13.51	119	130549	21.89	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	62604	20.30	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62103	20.33	ug/l	98
89) n-Butylbenzene	13.83	91	124137	22.58	ug/l	99
90) Hexachloroethane	14.10	117	21261	22.16	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	54740	20.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3439	24.26	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	35018	17.66	ug/l	99
94) Hexachlorobutadiene	15.24	225	18298	14.95	ug/l	99
95) Naphthalene	15.38	128	64977	21.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29489	17.32	ug/l	100

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

