

Data File : VF062454.D
Acq On : 11 May 2019 12:28
Operator : FY/SY
Sample : VF0511SBS01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS01

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:04:26 PM

Quant Time: May 12 04:07:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	315547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	412846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	361697	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	235034	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	164804	55.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.54%	
35) Dibromofluoromethane	4.31	113	193174	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	
50) Toluene-d8	7.72	98	416242	52.28	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.49	95	191444	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	87562	23.977	ug/l	99
3) Chloromethane	1.14	50	52907	21.966	ug/l	100
4) Vinyl Chloride	1.19	62	49577	20.636	ug/l	96
5) Bromomethane	1.38	94	45246	23.636	ug/l	97
6) Chloroethane	1.43	64	27063	22.406	ug/l #	86
7) Trichlorofluoromethane	1.55	101	117394	23.551	ug/l	89
8) Diethyl Ether	1.72	74	15124	20.053	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	67594	23.752	ug/l	99
10) Methyl Iodide	1.98	142	112956	24.086	ug/l	97
11) Tert butyl alcohol	2.70	59	16367	97.112	ug/l #	87
12) 1,1-Dichloroethene	1.86	96	57403	23.727	ug/l	93
13) Acrolein	2.10	56	11858	101.265	ug/l	100
14) Allyl chloride	2.20	41	75680m	35.413	ug/l	
15) Acrylonitrile	3.09	53	32593	102.091	ug/l	96
16) Acetone	2.35	43	66630	110.452	ug/l	93
17) Carbon Disulfide	1.91	76	120096	22.767	ug/l	95
18) Methyl Acetate	2.47	43	22740	18.710	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	106332	21.292	ug/l	99
20) Methylene Chloride	2.33	84	55140m	25.264	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	50252	21.802	ug/l	95
22) Diisopropyl ether	2.94	45	148705	22.264	ug/l	98
23) Vinyl Acetate	3.35	43	308182	103.525	ug/l	99
24) 1,1-Dichloroethane	3.02	63	96798	23.979	ug/l	98
25) 2-Butanone	4.53	43	79018	104.263	ug/l	99
26) 2,2-Dichloropropane	3.79	77	63588	28.207	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	66044	22.922	ug/l	96
28) Bromochloromethane	3.90	49	37174	20.305	ug/l	100
29) Tetrahydrofuran	4.27	42	32212	92.479	ug/l	99
30) Chloroform	4.06	83	133920	24.556	ug/l	97
31) Cyclohexane	3.90	56	72884	22.620	ug/l	88
32) 1,1,1-Trichloroethane	4.30	97	120066	25.687	ug/l	99
36) 1,1-Dichloropropene	4.48	75	85168	24.015	ug/l	99
37) Ethyl Acetate	4.31	43	30409	18.723	ug/l #	99
38) Carbon Tetrachloride	4.19	117	114878m	30.124	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	78128	21.966	ug/l	88
40) Benzene	4.83	78	182457	23.363	ug/l	100
41) Methacrylonitrile	4.94	41	17816	20.951	ug/l	91
42) 1,2-Dichloroethane	5.14	62	76013	23.272	ug/l	100
43) Isopropyl Acetate	7.12	43	30686	19.023	ug/l #	99
44) Trichloroethene	5.69	130	66509	23.183	ug/l	99
45) 1,2-Dichloropropane	6.42	63	39801	22.500	ug/l #	86
46) Dibromomethane	6.26	93	33073	22.550	ug/l	98
47) Bromodichloromethane	6.56	83	83574	22.792	ug/l	93
48) Methyl methacrylate	6.88	41	21870	19.185	ug/l	93
49) 1,4-Dioxane	6.88	88	4591	383.520	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	123888	101.354	ug/l	99
52) Toluene	7.79	92	116305	24.141	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	61455	22.159	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	79491	24.628	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	32683	21.370	ug/l	98
56) Ethyl methacrylate	8.76	69	31451	19.481	ug/l	95
57) 1,3-Dichloropropane	9.00	76	51476	22.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	46060	94.895	ug/l	95
59) 2-Hexanone	9.63	43	98417	116.419	ug/l	95
60) Dibromochloromethane	8.86	129	57259	22.891	ug/l	97
61) 1,2-Dibromoethane	9.14	107	38412	21.369	ug/l	96
64) Tetrachloroethene	8.31	164	66361	22.600	ug/l	96
65) Chlorobenzene	9.94	112	139535	23.316	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	69799	23.120	ug/l	97
67) Ethyl Benzene	10.04	91	246177	23.492	ug/l	98
68) m/p-Xylenes	10.26	106	184111	47.617	ug/l	97
69) o-Xylene	10.82	106	98202	23.504	ug/l	97
70) Styrene	10.89	104	141168	22.545	ug/l	99
71) Bromoform	10.88	173	32822	19.844	ug/l #	98
73) Isopropylbenzene	11.22	105	314834	22.595	ug/l	100
74) N-amyl acetate	11.45	43	51767	17.305	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	43190	19.797	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	33724	20.261	ug/l #	100
77) Bromobenzene	11.58	156	76432	20.901	ug/l	98
78) n-propylbenzene	11.67	91	321449	21.669	ug/l	99
79) 2-Chlorotoluene	11.80	91	203856	22.100	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	278531	22.806	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	11058m	17.674	ug/l	
82) 4-Chlorotoluene	11.98	91	205897	22.599	ug/l	100
83) tert-Butylbenzene	12.20	119	288701	22.493	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	267800	22.407	ug/l	98
85) sec-Butylbenzene	12.37	105	355307	22.743	ug/l	99
86) p-Isopropyltoluene	12.52	119	327315	22.550	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	148141	22.181	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	145299	22.541	ug/l	98
89) n-Butylbenzene	12.89	91	302333	23.412	ug/l	96
90) Hexachloroethane	12.97	117	75486	20.829	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	142901	22.106	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8711	17.823	ug/l	91

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	130213	22.457	ug/l	97
94) Hexachlorobutadiene	14.23	225	99782	23.089	ug/l	97
95) Naphthalene	14.49	128	160627	18.426	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	120361	21.427	ug/l	99

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

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