

Data File : VF062455.D
Acq On : 11 May 2019 12:56
Operator : FY/SY
Sample : VF0511SBSD01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD01

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:32:35 PM

Quant Time: May 12 04:08:44 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	300759	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	424242	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	365290	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	227143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	140680	49.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	4.32	113	174640	51.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	7.72	98	397726	48.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.50	95	191582	51.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	87767	25.215	ug/l	96
3) Chloromethane	1.15	50	50975	22.205	ug/l	96
4) Vinyl Chloride	1.20	62	52744	23.034	ug/l	97
5) Bromomethane	1.40	94	42389	23.187	ug/l	86
6) Chloroethane	1.45	64	28433	24.698	ug/l	94
7) Trichlorofluoromethane	1.56	101	120096	25.278	ug/l	96
8) Diethyl Ether	1.72	74	14398	20.029	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	68976	25.430	ug/l	96
10) Methyl Iodide	1.99	142	120309	26.915	ug/l #	97
11) Tert butyl alcohol	2.70	59	15769	98.164	ug/l #	88
12) 1,1-Dichloroethene	1.88	96	54677	23.712	ug/l	97
13) Acrolein	2.11	56	8882	74.642	ug/l #	74
14) Allyl chloride	2.21	41	80505	39.523	ug/l	96
15) Acrylonitrile	3.09	53	36633	120.388	ug/l	93
16) Acetone	2.35	43	61989	107.811	ug/l #	92
17) Carbon Disulfide	1.92	76	119505	23.769	ug/l	97
18) Methyl Acetate	2.47	43	20904	17.927	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	107838	22.655	ug/l	99
20) Methylene Chloride	2.34	84	55777m	26.812	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	48981	22.295	ug/l	96
22) Diisopropyl ether	2.94	45	143449	22.533	ug/l	96
23) Vinyl Acetate	3.35	43	320304	112.888	ug/l	99
24) 1,1-Dichloroethane	3.02	63	97620	25.372	ug/l	98
25) 2-Butanone	4.53	43	79681	110.307	ug/l	92
26) 2,2-Dichloropropane	3.78	77	64690	30.107	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	65794	23.958	ug/l	95
28) Bromochloromethane	3.91	49	35984	20.622	ug/l	99
29) Tetrahydrofuran	4.29	42	30819	92.830	ug/l	98
30) Chloroform	4.06	83	129000	24.817	ug/l	99
31) Cyclohexane	3.89	56	70186	22.854	ug/l	90
32) 1,1,1-Trichloroethane	4.31	97	114190	25.631	ug/l	98
36) 1,1-Dichloropropene	4.48	75	82074	22.521	ug/l	99
37) Ethyl Acetate	4.32	43	31548	18.959	ug/l #	99
38) Carbon Tetrachloride	4.20	117	96079m	23.970	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	80463	22.015	ug/l	98
40) Benzene	4.84	78	173356	21.601	ug/l	95
41) Methacrylonitrile	4.94	41	14528	16.625	ug/l #	91
42) 1,2-Dichloroethane	5.14	62	70878	21.117	ug/l	98
43) Isopropyl Acetate	7.12	43	32090	19.359	ug/l #	96
44) Trichloroethene	5.70	130	68139	23.113	ug/l	96
45) 1,2-Dichloropropane	6.42	63	41964	23.086	ug/l #	86
46) Dibromomethane	6.28	93	29716	19.717	ug/l	93
47) Bromodichloromethane	6.56	83	81367	21.594	ug/l	97
48) Methyl methacrylate	6.89	41	22232	18.978	ug/l	91
49) 1,4-Dioxane	6.88	88	3410	273.540	ug/l #	80
51) 4-Methyl-2-Pentanone	8.41	43	122282	97.352	ug/l	97
52) Toluene	7.78	92	105191	21.247	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	56899	19.965	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	72984	22.005	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	34331	21.844	ug/l	91
56) Ethyl methacrylate	8.76	69	30831	18.584	ug/l	96
57) 1,3-Dichloropropane	9.01	76	55655	23.444	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	43731	87.677	ug/l	97
59) 2-Hexanone	9.63	43	89369	102.876	ug/l	96
60) Dibromochloromethane	8.87	129	60440	23.513	ug/l	97
61) 1,2-Dibromoethane	9.14	107	40946	22.167	ug/l	99
64) Tetrachloroethene	8.32	164	64084	21.610	ug/l	95
65) Chlorobenzene	9.94	112	140867	23.307	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	70485	23.118	ug/l	96
67) Ethyl Benzene	10.03	91	247052	23.343	ug/l	98
68) m/p-Xylenes	10.27	106	182029	46.615	ug/l	98
69) o-Xylene	10.82	106	92859	22.007	ug/l	90
70) Styrene	10.89	104	136678	21.613	ug/l	99
71) Bromoform	10.88	173	31721	18.990	ug/l #	95
73) Isopropylbenzene	11.22	105	302188	22.441	ug/l	100
74) N-amyl acetate	11.45	43	60196	20.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	42897	20.345	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	30702	19.086	ug/l #	100
77) Bromobenzene	11.58	156	77664	21.976	ug/l	95
78) n-propylbenzene	11.68	91	321741	22.442	ug/l	99
79) 2-Chlorotoluene	11.80	91	197766	22.184	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	257350	21.804	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	10231	16.920	ug/l #	90
82) 4-Chlorotoluene	11.97	91	195119	22.160	ug/l	100
83) tert-Butylbenzene	12.20	119	274101	22.098	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	261282	22.621	ug/l	99
85) sec-Butylbenzene	12.37	105	337552	22.357	ug/l	100
86) p-Isopropyltoluene	12.53	119	314201	22.399	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	140908	21.831	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	136257	21.873	ug/l	99
89) n-Butylbenzene	12.90	91	299245	23.978	ug/l	99
90) Hexachloroethane	12.98	117	75196	21.469	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	144855	23.187	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8212	17.385	ug/l	95

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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	129765	23.157	ug/l	98
94) Hexachlorobutadiene	14.23	225	96638	23.138	ug/l	95
95) Naphthalene	14.50	128	173286	20.569	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	123442	22.739	ug/l	99

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

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