

Data File : VF062477.D
Acq On : 12 May 2019 00:35
Operator : FY/SY
Sample : VF0511SBSD02
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:19 PM

Quant Time: May 12 05:08:41 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	311936	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	404069	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	358683	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	228425	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	145308	49.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	4.32	113	178768	55.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	7.73	98	389386	49.97	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.50	95	185299	52.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	81969	22.705	ug/l	90
3) Chloromethane	1.14	50	49831	20.929	ug/l	99
4) Vinyl Chloride	1.19	62	46869	19.735	ug/l	99
5) Bromomethane	1.38	94	41675	21.842	ug/l	83
6) Chloroethane	1.43	64	24596	20.600	ug/l #	87
7) Trichlorofluoromethane	1.56	101	108794	22.079	ug/l	90
8) Diethyl Ether	1.71	74	16442	22.052	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	63157	22.450	ug/l	97
10) Methyl Iodide	1.98	142	106694	23.014	ug/l	99
11) Tert butyl alcohol	2.71	59	15081	90.518	ug/l #	83
12) 1,1-Dichloroethene	1.87	96	50479	21.107	ug/l	93
13) Acrolein	2.10	56	8810	70.378	ug/l	89
14) Allyl chloride	2.21	41	63385m	30.003	ug/l	
15) Acrylonitrile	3.09	53	31419	99.553	ug/l	94
16) Acetone	2.35	43	51947	87.109	ug/l	94
17) Carbon Disulfide	1.91	76	108747	20.854	ug/l	98
18) Methyl Acetate	2.46	43	22974	19.195	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	104461	21.160	ug/l	99
20) Methylene Chloride	2.29	84	49584m	22.981	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	45001	19.749	ug/l	97
22) Diisopropyl ether	2.95	45	140851	21.332	ug/l	99
23) Vinyl Acetate	3.36	43	309152	105.053	ug/l	99
24) 1,1-Dichloroethane	3.02	63	90671	22.721	ug/l	96
25) 2-Butanone	4.53	43	69168	92.322	ug/l #	89
26) 2,2-Dichloropropane	3.79	77	52875	23.726	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	63007	22.121	ug/l	96
28) Bromochloromethane	3.91	49	36520	20.179	ug/l #	95
29) Tetrahydrofuran	4.28	42	33283	96.660	ug/l	94
30) Chloroform	4.06	83	129816	24.079	ug/l	97
31) Cyclohexane	3.90	56	66249	20.799	ug/l	93
32) 1,1,1-Trichloroethane	4.31	97	117890	25.514	ug/l	97
36) 1,1-Dichloropropene	4.48	75	75160	21.653	ug/l	97
37) Ethyl Acetate	4.32	43	30954	19.709	ug/l #	96
38) Carbon Tetrachloride	4.20	117	99107m	26.204	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	73509	21.116	ug/l	96
40) Benzene	4.84	78	164250	21.489	ug/l	99
41) Methacrylonitrile	4.95	41	17456	20.973	ug/l	95
42) 1,2-Dichloroethane	5.14	62	69159	21.634	ug/l	96
43) Isopropyl Acetate	7.12	43	33455	21.190	ug/l #	96
44) Trichloroethene	5.70	130	65793	23.432	ug/l	98
45) 1,2-Dichloropropane	6.42	63	37669	21.758	ug/l	92
46) Dibromomethane	6.28	93	29791	20.754	ug/l	97
47) Bromodichloromethane	6.56	83	80918	22.547	ug/l	97
48) Methyl methacrylate	6.89	41	23962	21.476	ug/l	93
49) 1,4-Dioxane	6.88	88	3854	327.062	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	129419	108.178	ug/l	97
52) Toluene	7.79	92	109554	23.233	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	59784	22.025	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	70191	22.219	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	34928	23.334	ug/l	92
56) Ethyl methacrylate	8.77	69	32054	20.286	ug/l	94
57) 1,3-Dichloropropane	9.01	76	51323	22.698	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	48139	101.333	ug/l	95
59) 2-Hexanone	9.63	43	90265	109.095	ug/l	94
60) Dibromochloromethane	8.87	129	55071	22.494	ug/l	98
61) 1,2-Dibromoethane	9.15	107	37667	21.410	ug/l	99
64) Tetrachloroethene	8.32	164	67774	23.275	ug/l	94
65) Chlorobenzene	9.94	112	136068	22.928	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	63425	21.185	ug/l	97
67) Ethyl Benzene	10.04	91	234205	22.537	ug/l	99
68) m/p-Xylenes	10.27	106	176669	46.076	ug/l	96
69) o-Xylene	10.82	106	93671	22.608	ug/l	99
70) Styrene	10.90	104	132462	21.332	ug/l	99
71) Bromoform	10.89	173	33202	20.243	ug/l #	97
73) Isopropylbenzene	11.23	105	299379	22.108	ug/l	99
74) N-amyl acetate	11.45	43	60897	20.946	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	43251	20.398	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	34151	21.111	ug/l #	100
77) Bromobenzene	11.59	156	78677	22.137	ug/l	98
78) n-propylbenzene	11.68	91	331641	23.003	ug/l	99
79) 2-Chlorotoluene	11.81	91	199172	22.216	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	263314	22.184	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	11656m	19.169	ug/l	
82) 4-Chlorotoluene	11.97	91	196118	22.149	ug/l	100
83) tert-Butylbenzene	12.20	119	265587	21.291	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	257266	22.148	ug/l	97
85) sec-Butylbenzene	12.38	105	336824	22.184	ug/l	99
86) p-Isopropyltoluene	12.53	119	308695	21.883	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	151818	23.389	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	142400	22.730	ug/l	99
89) n-Butylbenzene	12.90	91	282750	22.529	ug/l	97
90) Hexachloroethane	12.98	117	72340	20.538	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	140290	22.330	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9082	19.119	ug/l	98

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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	123685	21.949	ug/l	99
94) Hexachlorobutadiene	14.23	225	91855	21.870	ug/l	99
95) Naphthalene	14.50	128	167239	19.740	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	116551	21.349	ug/l	98

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

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