

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062782.D
 Acq On : 29 May 2019 15:10
 Operator : FY/SY
 Sample : VF0529SBSD03
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:47 AM

Quant Time: May 30 09:04:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	665381	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	1129547	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	858402	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	410769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	223443	47.52	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	4.33	113	435971	50.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	7.73	98	984125	47.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.51	95	360990	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	176175	19.456	ug/l	97
3) Chloromethane	1.16	50	155233	18.619	ug/l	91
4) Vinyl Chloride	1.20	62	149045	19.420	ug/l	97
5) Bromomethane	1.41	94	81211	19.343	ug/l	99
6) Chloroethane	1.46	64	57696	20.470	ug/l #	79
7) Trichlorofluoromethane	1.56	101	222619	21.603	ug/l	99
8) Diethyl Ether	1.72	74	45899	22.483	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.94	101	144379	22.003	ug/l	89
10) Methyl Iodide	2.02	142	283198m	21.971	ug/l	
11) Tert butyl alcohol	2.72	59	32390	104.341	ug/l #	85
12) 1,1-Dichloroethene	1.90	96	136753	22.879	ug/l	98
13) Acrolein	2.12	56	25019	77.210	ug/l	97
14) Allyl chloride	2.21	41	99422m	18.378	ug/l	
15) Acrylonitrile	3.11	53	168645	192.594	ug/l	96
16) Acetone	2.36	43	113647	93.167	ug/l	99
17) Carbon Disulfide	1.94	76	354315	19.999	ug/l	94
18) Methyl Acetate	2.48	43	46098m	24.048	ug/l	
19) Methyl tert-butyl Ether	2.57	73	242519	22.696	ug/l	97
20) Methylene Chloride	2.37	84	137988m	22.568	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	135397m	23.175	ug/l	
22) Diisopropyl ether	2.95	45	276989	20.760	ug/l	93
23) Vinyl Acetate	3.37	43	1035728	115.074	ug/l	98
24) 1,1-Dichloroethane	3.03	63	219576	22.433	ug/l	98
25) 2-Butanone	4.55	43	290728	111.554	ug/l	99
26) 2,2-Dichloropropane	3.80	77	126106	22.517	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	232159	24.158	ug/l	96
28) Bromochloromethane	3.93	49	123550	22.506	ug/l	98
29) Tetrahydrofuran	4.30	42	117288	111.213	ug/l	98
30) Chloroform	4.08	83	312176	22.971	ug/l	99
31) Cyclohexane	3.90	56	280809m	21.366	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	198029	21.941	ug/l	98
36) 1,1-Dichloropropene	4.50	75	239602	20.701	ug/l	97
37) Ethyl Acetate	4.34	43	110419	23.365	ug/l #	61
38) Carbon Tetrachloride	4.21	117	165858	19.054	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	312399	22.431	ug/l	94
40) Benzene	4.85	78	742590	23.551	ug/l	99
41) Methacrylonitrile	4.96	41	53426	21.563	ug/l	92
42) 1,2-Dichloroethane	5.15	62	137163	21.814	ug/l	95
43) Isopropyl Acetate	7.14	43	119983	19.597	ug/l #	90
44) Trichloroethene	5.71	130	206933	23.350	ug/l	86
45) 1,2-Dichloropropane	6.43	63	191269	24.030	ug/l	92
46) Dibromomethane	6.29	93	109835	23.876	ug/l	96
47) Bromodichloromethane	6.58	83	221603	23.205	ug/l	93
48) Methyl methacrylate	6.91	41	59991	18.746	ug/l	94
49) 1,4-Dioxane	6.91	88	16406	400.274	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	453459	108.354	ug/l	96
52) Toluene	7.80	92	389002	23.524	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	179047	22.917	ug/l	99
54) cis-1,3-Dichloropropene	7.49	75	259769	23.752	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	116009	23.693	ug/l	97
56) Ethyl methacrylate	8.78	69	119579	20.499	ug/l	99
57) 1,3-Dichloropropane	9.02	76	196006	23.502	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.48	63	209712	110.448	ug/l	99
59) 2-Hexanone	9.65	43	317570	106.395	ug/l	95
60) Dibromochloromethane	8.89	129	146781	23.001	ug/l	97
61) 1,2-Dibromoethane	9.15	107	122525	23.560	ug/l	97
64) Tetrachloroethene	8.33	164	145143	21.343	ug/l	96
65) Chlorobenzene	9.96	112	398686	23.647	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	162697	24.038	ug/l	95
67) Ethyl Benzene	10.05	91	708211	24.180	ug/l	97
68) m/p-Xylenes	10.28	106	535289	48.626	ug/l	84
69) o-Xylene	10.84	106	262156	23.121	ug/l	91
70) Styrene	10.91	104	400167	23.220	ug/l	99
71) Bromoform	10.90	173	78911	23.279	ug/l #	97
73) Isopropylbenzene	11.23	105	713400	24.232	ug/l	95
74) N-amyl acetate	11.46	43	199716	23.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	151150	25.122	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	100823	25.504	ug/l	94
77) Bromobenzene	11.60	156	169299	23.135	ug/l	97
78) n-propylbenzene	11.69	91	844802	24.247	ug/l	95
79) 2-Chlorotoluene	11.82	91	494306	25.174	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	592577	25.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	40006m	22.766	ug/l	
82) 4-Chlorotoluene	11.99	91	505123	26.087	ug/l	99
83) tert-Butylbenzene	12.21	119	568485	23.736	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	532042	23.286	ug/l	99
85) sec-Butylbenzene	12.39	105	778008	24.206	ug/l	96
86) p-Isopropyltoluene	12.53	119	639582	23.612	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	299056	22.588	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	296831	23.891	ug/l	99
89) n-Butylbenzene	12.91	91	658019	24.638	ug/l	92
90) Hexachloroethane	12.99	117	155356	23.908	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	275845	23.373	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17163	23.912	ug/l	82

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93) 1,2,4-Trichlorobenzene	14.25	180	187504	22.196	µg/l	96
94) Hexachlorobutadiene	14.24	225	132431	22.463	µg/l	98
95) Naphthalene	14.51	128	304356	19.832	µg/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	165438	20.675	µg/l	96

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

