

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011819\
 Data File : VV009223.D
 Acq On : 18 Jan 2019 16:27
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:45:21 AM

Quant Time: Jan 19 03:17:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	89476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	156426	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	147763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	74260	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	26567	22.21	ug/l	0.00
Spiked Amount			Recovery	=	44.42%	
35) Dibromofluoromethane	4.64	113	22308	21.72	ug/l	0.00
Spiked Amount			Recovery	=	43.44%	
50) Toluene-d8	7.36	98	85239	21.93	ug/l	0.00
Spiked Amount			Recovery	=	43.86%	
62) 4-Bromofluorobenzene	10.12	95	33161	21.92	ug/l	0.00
Spiked Amount			Recovery	=	43.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	13405	19.401	ug/l	95
3) Chloromethane	1.25	50	21816	22.266	ug/l	99
4) Vinyl Chloride	1.33	62	19538	20.290	ug/l	100
5) Bromomethane	1.53	94	12942	20.551	ug/l	100
6) Chloroethane	1.60	64	12645	21.033	ug/l	99
7) Trichlorofluoromethane	1.76	101	10812	19.303	ug/l	100
8) Diethyl Ether	1.96	74	9892	21.150	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.14	101	18065	20.766	ug/l	97
10) Methyl Iodide	2.26	142	30303	21.606	ug/l	100
11) Tert butyl alcohol	2.66	59	8524	122.897	ug/l	95
12) 1,1-Dichloroethene	2.14	96	18218	21.748	ug/l	92
13) Acrolein	2.06	56	7227	126.978	ug/l	99
14) Allyl chloride	2.42	41	32218	21.322	ug/l	98
15) Acrylonitrile	2.76	53	21488	109.533	ug/l	99
16) Acetone	2.18	43	30397	123.409	ug/l	99
17) Carbon Disulfide	2.32	76	53284	20.541	ug/l	98
18) Methyl Acetate	2.45	43	15994	24.723	ug/l	96
19) Methyl tert-butyl Ether	2.79	73	28955	21.146	ug/l	96
20) Methylene Chloride	2.53	84	21426	22.424	ug/l	92
21) trans-1,2-Dichloroethene	2.78	96	19571	21.174	ug/l	99
22) Diisopropyl ether	3.33	45	74160	21.555	ug/l	97
23) Vinyl Acetate	3.30	43	203248	108.596	ug/l	99
24) 1,1-Dichloroethane	3.22	63	43603	21.535	ug/l	99
25) 2-Butanone	4.02	43	35813	115.890	ug/l	99
26) 2,2-Dichloropropane	3.95	77	23208	20.542	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	24786	20.940	ug/l	98
28) Bromochloromethane	4.29	49	17380	20.436	ug/l	99
29) Tetrahydrofuran	4.39	42	21074	113.889	ug/l	94
30) Chloroform	4.42	83	44908	21.047	ug/l	97
31) Cyclohexane	4.72	56	36232	20.966	ug/l	94
32) 1,1,1-Trichloroethane	4.65	97	35342	20.429	ug/l	99
36) 1,1-Dichloropropene	4.87	75	32386	21.207	ug/l	97
37) Ethyl Acetate	4.13	43	14301	22.151	ug/l	98
38) Carbon Tetrachloride	4.87	117	32460	20.854	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	36636	19.962	ug/l	99
40) Benzene	5.14	78	93175	20.973	ug/l	100
41) Methacrylonitrile	4.31	41	8374	22.124	ug/l	97
42) 1,2-Dichloroethane	5.18	62	32379	21.740	ug/l	99
43) Isopropyl Acetate	5.33	43	28355	22.434	ug/l	100
44) Trichloroethene	5.96	130	23833	21.336	ug/l	98
45) 1,2-Dichloropropane	6.22	63	22209	20.026	ug/l	98
46) Dibromomethane	6.35	93	12665	21.624	ug/l	98
47) Bromodichloromethane	6.55	83	33673	21.658	ug/l	100
48) Methyl methacrylate	6.42	41	14030	21.154	ug/l	98
49) 1,4-Dioxane	6.41	88	3219	408.754	ug/l #	88
51) 4-Methyl-2-Pentanone	7.27	43	70848	107.198	ug/l	99
52) Toluene	7.43	92	57599	20.450	ug/l	96
53) t-1,3-Dichloropropene	7.69	75	31230	20.482	ug/l	95
54) cis-1,3-Dichloropropene	7.07	75	35783	20.315	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	17481	22.293	ug/l	97
56) Ethyl methacrylate	7.83	69	20172	20.467	ug/l	95
57) 1,3-Dichloropropane	8.06	76	31764	21.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1152	130.079	ug/l #	80
59) 2-Hexanone	8.18	43	52505	110.816	ug/l	97
60) Dibromochloromethane	8.29	129	20156	20.875	ug/l	99
61) 1,2-Dibromoethane	8.40	107	17045	21.749	ug/l	99
64) Tetrachloroethene	8.02	164	19153	20.899	ug/l	96
65) Chlorobenzene	8.93	112	64695	20.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	22216	20.117	ug/l	98
67) Ethyl Benzene	9.05	91	114606	20.439	ug/l	100
68) m/p-Xylenes	9.18	106	86628	41.407	ug/l	99
69) o-Xylene	9.59	106	40362	20.106	ug/l	96
70) Styrene	9.60	104	66290	20.132	ug/l	99
71) Bromoform	9.78	173	10640	19.906	ug/l #	98
73) Isopropylbenzene	9.97	105	113286	20.499	ug/l	99
74) N-amyl acetate	9.84	43	24507	20.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	21240	21.594	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	16451m	22.165	ug/l	
77) Bromobenzene	10.26	156	25384	21.034	ug/l	97
78) n-propylbenzene	10.40	91	134897	20.438	ug/l	100
79) 2-Chlorotoluene	10.47	91	81735	20.745	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	97588	20.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	5703	20.194	ug/l	97
82) 4-Chlorotoluene	10.58	91	101035	21.292	ug/l	98
83) tert-Butylbenzene	10.91	119	90740	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	100219	20.848	ug/l	99
85) sec-Butylbenzene	11.13	105	116681	20.383	ug/l	100
86) p-Isopropyltoluene	11.29	119	104469	20.531	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	51706	21.183	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	53064	21.543	ug/l	99
89) n-Butylbenzene	11.70	91	101311	20.284	ug/l	100
90) Hexachloroethane	11.95	117	18806	20.152	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	46858	21.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3675	21.326	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	30936	21.184	ug/l	98
94) Hexachlorobutadiene	13.50	225	17396	20.807	ug/l	99
95) Naphthalene	13.55	128	52342	19.895	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	26243	20.386	ug/l	97

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

