

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064396.D
 Acq On : 27 Nov 2019 15:07
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:13 AM

Quant Time: Nov 29 07:34:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	494602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	78445	17.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.04%	
35) Dibromofluoromethane	7.92	113	83021	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
50) Toluene-d8	10.34	98	312981	18.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.70%	
62) 4-Bromofluorobenzene	12.64	95	100208	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95149	21.231	ug/l	93
3) Chloromethane	2.21	50	114976	20.341	ug/l	95
4) Vinyl Chloride	2.35	62	139427	21.363	ug/l	100
5) Bromomethane	2.76	94	92166	19.096	ug/l	96
6) Chloroethane	2.92	64	88876	20.374	ug/l	99
7) Trichlorofluoromethane	3.27	101	223231	20.575	ug/l	95
8) Diethyl Ether	3.70	74	42630	18.908	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94344	20.280	ug/l	99
10) Methyl Iodide	4.30	142	99944	20.344	ug/l	100
11) Tert butyl alcohol	5.26	59	23760	83.376	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	92049	20.648	ug/l	89
13) Acrolein	3.93	56	33381	85.878	ug/l	99
14) Allyl chloride	4.71	41	140889	20.250	ug/l	97
15) Acrylonitrile	5.44	53	92820	94.148	ug/l	100
16) Acetone	4.17	43	83884	92.722	ug/l	99
17) Carbon Disulfide	4.40	76	294790	20.878	ug/l	97
18) Methyl Acetate	4.72	43	51000	19.326	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	189583	18.539	ug/l	99
20) Methylene Chloride	4.97	84	96258	18.104	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	102614	20.349	ug/l	97
22) Diisopropyl ether	6.37	45	255415	18.596	ug/l	99
23) Vinyl Acetate	6.31	43	750187	92.648	ug/l	98
24) 1,1-Dichloroethane	6.27	63	160118	19.385	ug/l	96
25) 2-Butanone	7.23	43	122531	95.771	ug/l	97
26) 2,2-Dichloropropane	7.21	77	144784	20.156	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	104654	19.036	ug/l	98
28) Bromochloromethane	7.55	49	28420	10.068	ug/l	99
29) Tetrahydrofuran	7.57	42	73320	90.074	ug/l	98
30) Chloroform	7.71	83	172850	20.206	ug/l	96
31) Cyclohexane	7.98	56	160130	19.397	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	158800	20.023	ug/l	98
36) 1,1-Dichloropropene	8.11	75	138186	20.881	ug/l	100
37) Ethyl Acetate	7.31	43	56701	20.193	ug/l	99
38) Carbon Tetrachloride	8.10	117	144941	20.752	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169165	20.607	ug/l	96
40) Benzene	8.35	78	364564	19.835	ug/l	100
41) Methacrylonitrile	7.53	41	33174	20.600	ug/l	95
42) 1,2-Dichloroethane	8.43	62	101311	18.901	ug/l	98
43) Isopropyl Acetate	8.46	43	106189	19.233	ug/l	100
44) Trichloroethene	9.11	130	110248	19.913	ug/l	96
45) 1,2-Dichloropropane	9.39	63	87837	19.982	ug/l	99
46) Dibromomethane	9.48	93	46746	18.842	ug/l	96
47) Bromodichloromethane	9.67	83	126672	19.871	ug/l	96
48) Methyl methacrylate	9.46	41	50391	19.946	ug/l	94
49) 1,4-Dioxane	9.47	88	12980	423.683	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	263742	96.546	ug/l	98
52) Toluene	10.40	92	240610	20.087	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115717	19.047	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	138573	19.200	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65755	19.356	ug/l	96
56) Ethyl methacrylate	10.67	69	82058	18.939	ug/l	99
57) 1,3-Dichloropropane	10.95	76	112736	19.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	169736	98.271	ug/l	99
59) 2-Hexanone	10.99	43	184965	97.578	ug/l	100
60) Dibromochloromethane	11.14	129	86996	18.888	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65052	19.179	ug/l	97
64) Tetrachloroethene	10.88	164	96605	21.018	ug/l	98
65) Chlorobenzene	11.67	112	255546	20.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90742	19.499	ug/l	99
67) Ethyl Benzene	11.75	91	451009	20.164	ug/l	99
68) m/p-Xylenes	11.86	106	339453	39.803	ug/l	97
69) o-Xylene	12.18	106	156686	19.893	ug/l	99
70) Styrene	12.20	104	272853	19.935	ug/l	99
71) Bromoform	12.37	173	53743	19.303	ug/l #	99
73) Isopropylbenzene	12.48	105	428825	20.524	ug/l	99
74) N-amyl acetate	12.29	43	92241	19.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70015	20.264	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	34368m	14.386	ug/l	
77) Bromobenzene	12.77	156	106435	20.629	ug/l	99
78) n-propylbenzene	12.83	91	509758	21.146	ug/l	99
79) 2-Chlorotoluene	12.91	91	273068	20.586	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345591	20.241	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22746	20.761	ug/l	97
82) 4-Chlorotoluene	13.01	91	280742	19.989	ug/l	100
83) tert-Butylbenzene	13.23	119	302381	20.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	341184	19.873	ug/l	98
85) sec-Butylbenzene	13.41	105	419819	20.607	ug/l	100
86) p-Isopropyltoluene	13.53	119	387746	20.160	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	192791	19.687	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	187914	19.436	ug/l	98
89) n-Butylbenzene	13.85	91	356170	20.391	ug/l	99
90) Hexachloroethane	14.12	117	74403	20.682	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	163857	19.579	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10992	18.534	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123470	19.264	ug/l	100
94) Hexachlorobutadiene	15.28	225	81929	20.706	ug/l	98
95) Naphthalene	15.41	128	205824	19.242	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	105821	19.342	ug/l	99

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

