

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000814.D
 Acq On : 27 Nov 2019 13:00
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY112719

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:14 AM

Quant Time: Nov 29 05:23:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	365161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	635934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	557552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	258969	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	186061	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	7.72	113	180964	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.18	98	749767	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.48	95	257601	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	180547	45.931	ug/l	99
3) Chloromethane	2.12	50	220592	45.526	ug/l	100
4) Vinyl Chloride	2.25	62	217254	45.494	ug/l	99
5) Bromomethane	2.65	94	129469	44.455	ug/l	99
6) Chloroethane	2.79	64	134496	45.936	ug/l	98
7) Trichlorofluoromethane	3.13	101	306440	46.824	ug/l	95
8) Diethyl Ether	3.53	74	118222	47.995	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	193487	47.875	ug/l	99
10) Methyl Iodide	4.09	142	255910	50.293	ug/l	98
11) Tert butyl alcohol	4.96	59	88959	227.883	ug/l	99
12) 1,1-Dichloroethene	3.88	96	194876	48.673	ug/l	97
13) Acrolein	3.74	56	91867	238.899	ug/l	98
14) Allyl chloride	4.48	41	320507	46.686	ug/l	99
15) Acrylonitrile	5.18	53	301958	237.402	ug/l	98
16) Acetone	3.96	43	206657	232.173	ug/l	98
17) Carbon Disulfide	4.19	76	631604	48.775	ug/l	99
18) Methyl Acetate	4.49	43	165108	44.363	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	515361	48.197	ug/l	99
20) Methylene Chloride	4.72	84	216267	46.094	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	218573	48.030	ug/l	99
22) Diisopropyl ether	6.13	45	649775	46.051	ug/l	99
23) Vinyl Acetate	6.07	43	2060660	240.228	ug/l	98
24) 1,1-Dichloroethane	6.02	63	366631	47.144	ug/l	99
25) 2-Butanone	6.99	43	392686	238.823	ug/l	99
26) 2,2-Dichloropropane	6.99	77	313327	47.870	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	235695	47.914	ug/l	98
28) Bromochloromethane	7.34	49	145643	51.034	ug/l	98
29) Tetrahydrofuran	7.36	42	257273	236.124	ug/l	99
30) Chloroform	7.52	83	357454	45.819	ug/l	97
31) Cyclohexane	7.79	56	378709	45.969	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	308272	47.853	ug/l	98
36) 1,1-Dichloropropene	7.93	75	300774	47.567	ug/l	99
37) Ethyl Acetate	7.08	43	168325	46.103	ug/l	100
38) Carbon Tetrachloride	7.91	117	270198	47.983	ug/l	94

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39) Methylcyclohexane	9.19	83	399443	47.681	ug/l	98
40) Benzene	8.17	78	876669	47.598	ug/l	98
41) Methacrylonitrile	7.33	41	98287m	51.077	ug/l	
42) 1,2-Dichloroethane	8.24	62	225857	46.628	ug/l	100
43) Isopropyl Acetate	8.28	43	317012	46.075	ug/l	97
44) Trichloroethene	8.94	130	223764	47.273	ug/l	100
45) 1,2-Dichloropropane	9.22	63	218799	47.294	ug/l	96
46) Dibromomethane	9.31	93	117195	48.484	ug/l	100
47) Bromodichloromethane	9.50	83	271178	47.756	ug/l	98
48) Methyl methacrylate	9.30	41	140139	46.319	ug/l	94
49) 1,4-Dioxane	9.30	88	31709	925.811	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	842636	237.036	ug/l	99
52) Toluene	10.24	92	540578	47.404	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	299413	49.079	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	352425	48.873	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	169906	47.576	ug/l	98
56) Ethyl methacrylate	10.51	69	253574	49.634	ug/l	99
57) 1,3-Dichloropropane	10.79	76	294204	47.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	749376	363.786	ug/l	99
59) 2-Hexanone	10.83	43	628665	242.693	ug/l	99
60) Dibromochloromethane	10.99	129	185450	48.238	ug/l	98
61) 1,2-Dibromoethane	11.09	107	165138	49.065	ug/l	98
64) Tetrachloroethene	10.72	164	227100	46.881	ug/l	98
65) Chlorobenzene	11.52	112	555082	47.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	188575	48.282	ug/l	99
67) Ethyl Benzene	11.59	91	1032174	47.821	ug/l	98
68) m/p-Xylenes	11.70	106	779291	96.191	ug/l	99
69) o-Xylene	12.03	106	364892	48.306	ug/l	100
70) Styrene	12.04	104	635757	49.153	ug/l	99
71) Bromoform	12.20	173	111000	50.390	ug/l #	97
73) Isopropylbenzene	12.33	105	983579	47.701	ug/l	99
74) N-amyl acetate	12.14	43	275723	48.042	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	197049	48.500	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	143601m	48.942	ug/l	
77) Bromobenzene	12.61	156	218510	48.888	ug/l	98
78) n-propylbenzene	12.67	91	1207190	47.948	ug/l	99
79) 2-Chlorotoluene	12.75	91	656277	47.183	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	809648	47.424	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	75998	50.878	ug/l	96
82) 4-Chlorotoluene	12.85	91	684213	47.747	ug/l	99
83) tert-Butylbenzene	13.07	119	689658	48.047	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	814286	47.673	ug/l	99
85) sec-Butylbenzene	13.25	105	999655	47.887	ug/l	99
86) p-Isopropyltoluene	13.37	119	868506	47.833	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	414316	47.253	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	416753	48.004	ug/l	99
89) n-Butylbenzene	13.69	91	883180	48.110	ug/l	99
90) Hexachloroethane	13.96	117	165456	49.468	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	379348	48.099	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	32524	47.816	ug/l	99

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93) 1,2,4-Trichlorobenzene	15.00	180	258060	48.355	ug/l	100
94) Hexachlorobutadiene	15.11	225	125811	47.548	ug/l	99
95) Naphthalene	15.23	128	620921	50.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	230005	48.250	ug/l	99

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

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